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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME XII,

NEW YORK, JUNE 20, 1923

No. 25

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In This Issue { **Returnable Package Problem**
Guessing the Dye Future

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DRUG & CHEMICAL MARKETS

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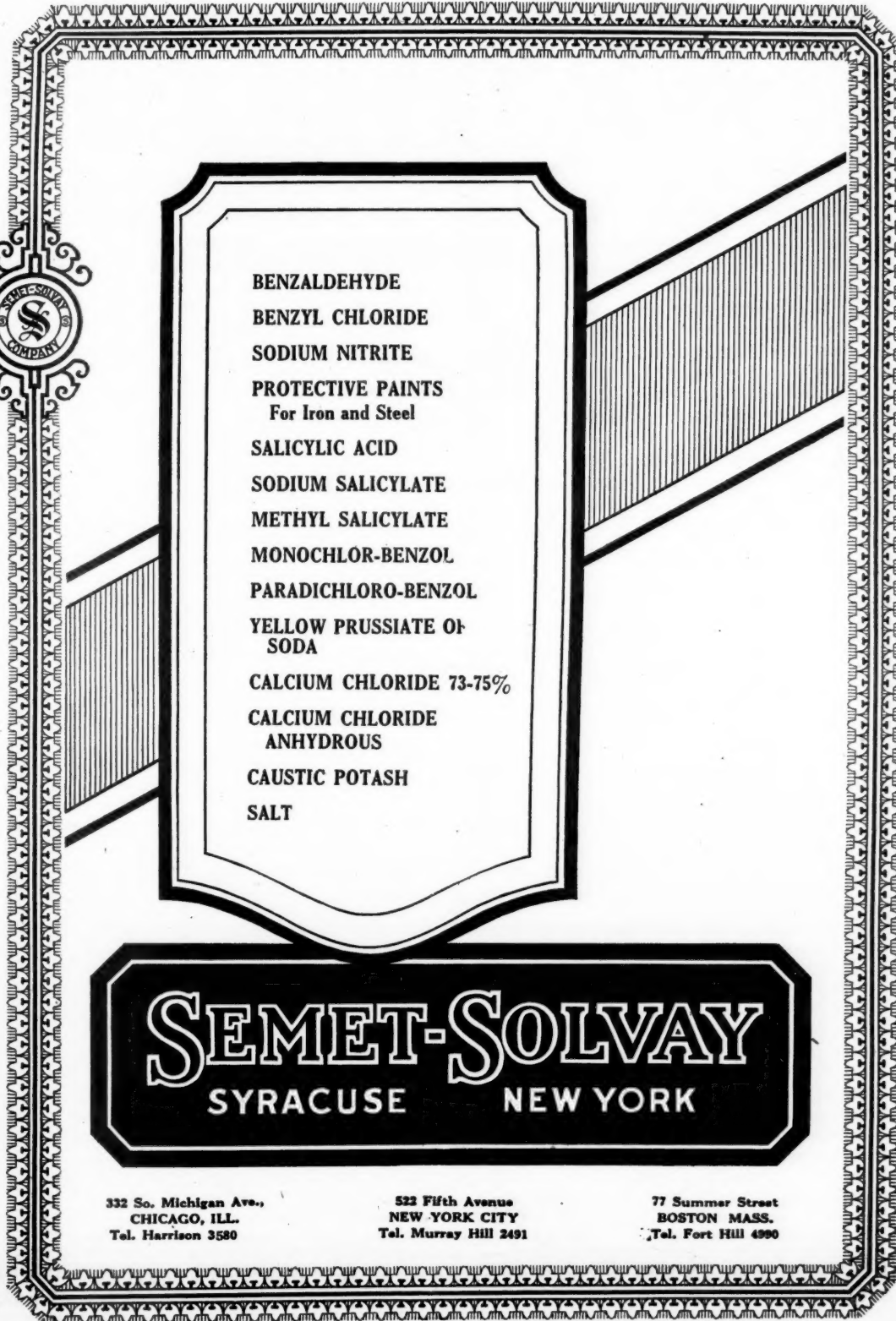
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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XII, NUMBER 25

[JUNE 20, 1923]

GUESSING THE DYE FUTURE

Since France occupied the Ruhr there have been rumors that part of the German coal-tar chemical industry is to be transplanted to American soil. As time passes the logic behind such a move becomes stronger and the rumors are more persistent.

German psychology is famous for going askew; but there is no reason to doubt the soundness of the German commercial instinct in matters chemical. It is therefore, not so difficult to reconstruct the line of reasoning that would lead to the fulfillment of these rumors, and it may not be so futile to guess a little at the consequence.

Dye manufacture in Germany has become an extremely hazardous and difficult undertaking. German dye manufacturers have experience, ability, and a valuable, world-wide reputation for good products. They have the men and apparently the money. They see the American, Swiss, and British dye industries becoming daily stronger in the world's markets which they had counted upon regaining. In America is at once the greatest dye-consuming market and the greatest storehouse of coal-tar crudes. And there is no insurmountable difficulty in putting into effect the obvious solution to their problem.

If Badische or Bayer—rumors fly thickest about these two companies—were to establish a factory in the United States, how would they go about elbowing their way into our already crowded dye fields and what would be the effect upon our domestic dye makers?

They would hardly be tempted into the manufacture of sulfur black, indigo, or any of the big tonnage dyes which are now over-produced here and selling at prices that pay no dividends. But there are a hundred or more dyes, not made here now, which, while not absolutely necessary in the color range, are nevertheless desirable. Two of our companies, as an example, produce four or five of the indanthrenes: there are a dozen good dyes in staple demand in this group. It is fairly safe guessing that the Germans would begin at such loose ends of the line of least resistance. They are not price-cutters (except for the ulterior motive of breaking competition) and they are always careful collectors of profits. With a foothold gained in this way, they might later produce bulk colors, and with their well known tricks of full-line-forging and commercial bribery they might in time use strangling tactics to suppress their American competitors.

German competition within our midst would,

however, bring some benefits. It would assuredly stimulate research. It would probably shift dye competition from price to service. It would, of necessity, employ American workmen, American salesmen, and some American chemists. Even imported executives and technical experts could not be kept always in their own organizations. In America costs would have to be based upon American dollars paid out for American labor, plants, equipment, coal, and raw materials. No tariff is needed to equalize such competition, and unfair competition in inter-state trade can be swiftly dealt with.

We have not forgotten the tremendous accomplishments of the short five years between 1914 and 1919, and we "guess" the American coal-tar chemical industry has a future. The longer the French hold the Ruhr, the quicker our supremacy in the dye markets will be assured; but even the prospect of German competition in our midst is nothing to strike terror to the heart.

QUOTING ALKALI PRICES

The old method of quoting alkali prices, based on 48% Na_2O for soda ash and 60% Na_2O for caustic soda, is involved and difficult to understand by many buyers with a limited knowledge of chemistry and the chemical industry. The buyer always has hoped that he is being charged the right prices, but is frequently in serious doubt regarding it owing to his ignorance of the system. By changing over to an actual flat basis for quoting alkalies of a definite composition at so much per hundred pounds, one of the leading alkali sales organizations has taken a long step forward toward better understanding between seller and purchaser, particularly where the latter is a non-chemical person. The change is away from confusion which frequently surrounds sales where both parties are not thoroughly familiar with the conditions.

Years ago where every lot of alkali varied in composition and when each manufacturer's product was different from all the other producers' goods, the sale of alkali on its Na_2O content based on the New York and Liverpool test may have been necessary. To-day, this method has outlived its usefulness. Practically all alkalies on the market to-day are of a uniform composition with the reputation of a well-known maker behind the goods. Caustic, 76% solid, is the same to-day from most of the makers, uniform in composition and quality, and containing 99% NaOH . Every lot is the same as the preceding lot. The adoption of a flat price per

hundred pounds is not only a materially simpler way of handling this business, but it is an unspoken declaration that alkali production of definite, constant qualities has become permanently standardized.

WHEN TO SEEK FOREIGN TRADE

Whether manufacturers in the United States who are seeking foreign trade should attempt to satisfy the whims and caprices of a varying multitude of customers in the innumerable small markets of the world, or continue their plants on mass production and sell by mass distribution, is discussed by Dr. Julius Klein in "Commerce Reports." He says there is no reason why a concentration on foreign sales campaigns similar to that applied to domestic sales should not result in oversea mass distribution of our mass production. In a number of lines of goods we can sell the peoples of the world "what they want" and still supply the goods from domestic stocks without much, if any, alteration in design.

Great Britain has gone so far in catering to the wishes of foreign buyers that British manufacturers find it impossible to put any appreciable percentage of their plants on a mass production basis. Each mill turns out small quantities which necessitates constant readjustment of machinery. In this connection, Dr. Klein urges American manufacturers to build up foreign trade when domestic business is good, and not wait until the home demand falls off, and attempt to find an outlet for their goods in foreign markets by means of a whirlwind campaign.

OPPOSED TO A SMALL BOTTLE

The successful fight made against the plan of Southern Railway officials to displace the 12-13 gallon carboy by a 5-gallon bottle illustrates the value of trade association work. The railway men had enlisted the support of the Army and Navy purchasing departments and consumers generally, and were in a fair way to put over the plan, when the carboy committee of the Manufacturing Chemists Association took up the question for the members directly affected by the proposed change and after numerous conferences won over the Army and Navy and induced the Southern Railway officials to refrain for the present from further efforts to install the small container.

Reports of experiments by the carboy test committee and statements that the industries concerned would lose millions of dollars by the change, owing to heavy capital investments in machinery, not to speak of excessive charges on smaller containers, made a favorable impression. The question had been considered only from the point of view of the railroad. When the committee representing manufacturers presented the objections to the plan, the complaints of excessive damage due to carboy breakage did not seem so alarming as to call for the proposed change. If the plan had gone so far as to bring an order from the Interstate Commerce Commission authorizing the use of the 5-gallon

bottle, the cost would have made advances in the prices of many products imperative and all consuming industries would have suffered.

Government ownership will be abandoned by the Australian Commonwealth Ministry as rapidly as the plants in various industries can be sold to private interests. These include a lime plant and an explosive factory. Railway and other public utilities may be retained for a time, but all commercial and industrial enterprises will be closed out. It has been found in Australia, as in the United States, that individual initiative is necessary to success in any business.

Many Men: Many Minds

"The cost element in our commerce undoubtedly carries a danger just now. When one of our large industries, working night and day shifts, cannot produce more than 60 per cent of its maximum of pre-war years, the large increase in cost, due to decreased efficiency, cannot be passed over lightly, but must be considered as a significant element in the situation."—J. H. Tregoe, National Assn., of Credit Men.

Marked improvement since the depression of 1921 is shown in certain industries represented by 122 corporations. Each of the groups shows the greater demand of 1922. Stores, including mail order houses, made the highest leap from a net deficit of nearly ten millions to profits exceeding 40 millions. Motors and accessories vaulted further from a deficit of 23 millions to profits of 36 millions. Both of these groups owe quick recovery to drastic measures that produced lower prices and attracted buyers.—Financial America.

A small Scotch mill took an order from a London stationer for some writing paper. When the paper was received in London it was found to be soft—so soft that it was impossible to use it for writing purposes. The fact was that the paper maker had omitted putting in his "sizing." Scotch like, Sandy went down to London and, after figuring around for a week or two, discovered a use for his soft paper and sold it as blotting. Blotting paper made an immediate hit with the quill wielders and became a regular product of the mill. From that modest and essentially Scotch beginning, the industry has grown as the art of writing has spread over the world.—John Gibson, Jr., Wrenn Paper Co.

FOOLING THE BOLL WEEVIL

In Enterprise, Coffee county, Alabama, stands a monument to the boll weevil. It bears this inscription:

In Profound Appreciation
of the Boll Weevil
As the Herald of Prosperity
This Monument Is Erected
by the Citizens of

Enterprise, Coffee County, Alabama.

Farmers of Coffee county wasted several years fighting the weevil before they learned there was more money in crops other than cotton. They planted sugar cane, sorghum, peanuts and corn, anything but cotton, in their outlying fields. Peanuts are now paying off the mortgages cotton placed on Coffee county farms. Hence the monument to the boll weevil, a plague that proved a blessing in disguise.—N. Y. Herald.

The Returnable Package Problem

Way Suggested to Eliminate the Annoying and Expensive Item in the Insecticide and Disinfectant Trade

By H. W. COLE,
Vice President, Baird & McGuire

OF the many complex problems the industry is called upon to solve, one of prime importance is that of returnable packages. The manufacturer who ships his material in returnable drums is appalled at his investment in these containers during the course of the year. He often finds the expense of purchasing drums and keeping track of them requires a considerable part of his working capital. The larger establishments pay out annually an enormous sum for heavy-weight drums, and still have to maintain at large expense a clerical staff to keep these containers moving back to the original shipping point. It is safe to say that there is not in all America a business house using returnable drums that does not lose money on this item each year. Some customers have a habit of using these drums for storage and returning them, if at all, when it best suits their convenience. Although it is the custom to charge the drums to the buyer when shipments are made, many refuse to pay this charge but carry it on their books as a memorandum. There may be a few of our members who use heavy-weight drums because of necessity. If inflammables or explosives are to be transported, then the Interstate Commerce Commission specifies the type of container which must be used.

Aside from the amount of money which drums cost, consideration must be given to the added freight charge because of weight, and in this the jobber and consumer have a common interest. Many a buyer has had his anticipated margin of profit materially reduced by being obliged to pay the freight on the empties back to the shipper. Unfortunately there does not seem to be a recognized standard of terms among the trade as applied to drums. One manufacturer considers a drum a steel package holding fifty gallons, while another calls this same container a half drum, and still another classes as a drum a steel package holding one hundred gallons. No wonder that many shipments of large drums have been returned at the seller's expense because the buyer intended and expected that fifty-gallon packages would be supplied when he specified drums. The return of these shipments not only entails expense, but dissatisfaction, if not actual loss of trade.

The wooden barrel which has served such a useful purpose for many years is rapidly passing into the discard as a container for oils and kindred substances. Such materials, because of their nature, tend to seep through the staves and around the chimes, especially if care is not exercised in loading and unloading. It is generally regarded that to make a wooden barrel fit for transporting disinfectants it must be cleaned, steamed and



Insecticide and disinfectant manufacturers have found the returnable package an annoying and puzzling item in the cost of doing business, and Mr. Cole's proposed solution of the problem by the use of non-returnable containers created much interest at the recent meeting of Insecticide and Disinfectant Manufacturers Association, at Detroit. Mr. Cole was formerly with The Barrett Co., and has had wide experience in the use of drums and other containers.

glued. Even such treatment will not always insure a perfectly clean package, for the porosity of the wood makes possible the absorption of previous contents and this at times is sufficient to spoil the new contents. Your product may be chemically perfect when it is ready to ship, but may be sub-standard upon arrival at destination because of the presence of a foreign substance in the barrel that steaming has not completely removed. The use of new barrels would eliminate this difficulty, but this advantage is offset by a price that is much higher than light-weight steel drums. Your coveted reputation as a manufacturer of high-quality products may be jeopardized by just one shipment of goods that is contaminated, and every seller knows that it is far more difficult to bring a lost account into line than it is to secure the business originally.

Non-Returnable Drums

After very considerable study of the package problem, as applied to our industry, many have concluded that the real solution lies in the exclusive use of the so-called non-returnable drum or one-time shipper. These can be purchased at a price but little in excess of wooden barrels, and, if desired, may be supplied with reversible faucets in the bung, making it convenient for the consumer to withdraw the contents as needed. It is the practice to make no separate charge to the buyer for these light-weight drums, but to add their actual cost to the price of the material. This does away with the

expense which would be incurred if each drum had to be kept track of. Incidentally, the buyer has no return freight charges to worry about. As to durability, these drums will stand a great amount of rough handling. It has been proven by test that a drop of one of these containers loaded, sufficient to dent the drum, would so damage a wooden barrel of equal weight as to make almost impossible the salvaging of the contents. It is a big satisfaction for the buyer to receive the same galleage of material which you ship him, without having to file a claim for loss through leakage. It is a point in your favor when soliciting business to be able to assure the customer that you use only containers which will stand up under the strain of present-day traffic. As compared with heavy-weight drums, both you and your trade have less transportation expense to pay on these one-time shippers. There is always a healthy demand for empties, and it is optional with your trade as to whether they care to dispose of them at a figure which will further reduce their merchandise costs, or retain as many as may be needed for the storage of gasoline, oils and other materials. Not a few of these drums, after having served their best

days of usefulness, are converted into receptacles for ashes, garbage and refuse.

Less Likelihood of Contamination

Light-weight drums are cleaned with comparative ease. Through their use the possibility of contamination of contents is almost wholly removed. There is less likelihood of leakage at the bung. They do not necessarily require painting, and the cost of re-coopering is eliminated altogether. They may be stored for an indefinite time with safety and without loss. Some of the largest buyers of the country, who are not obliged to use I. C. C. drums, have standardized on light-weight drums, and have found the move to be not only practical but economical. Although it is generally known, it might not be amiss to mention that these drums are also furnished with the buyer's name and address embossed in the metal, when desired, thus giving to this type of package something of advertising value.

It is earnestly recommended that those of our members who have been accustomed to shipping in heavy drums and wooden barrels give consideration to the use of the non-returnable drum. This is not a matter to be decided by vote of the association; it is simply a plan offered the individual for curtailing a part of his shipping expense and giving greater satisfaction to his trade.

PAUL SCHNORRENBERGER DEAD AT 72

Paul Schnorrenberger, Heller & Merz, New York, died at his desk at the office of the company, 502 Hudson St., of a heart attack on June 11. Although Mr. Schnorrenberger had been with Heller & Merz for thirty-nine years, he refused to quit active work in spite of chronic asthma for a number of years past. He was 72 years of age, having been born at Grue Odernheim, Rhein Hessen in Germany on December 8, 1850. He was graduated from Mayence University and spent most of his early business life in Paris as an accountant. Coming to the United States in 1884, he entered the employ of Heller & Merz. He is survived by his wife, Mrs. Anna Schnorrenberger.

U. S. Chemical Corp., with capitalization of \$2,350,000, will build a double superphosphate plant near Tampa, Fla., and develop 4,000 acres of phosphate land at Dover, Sidney and Plant City. The company is being promoted by Harry L. Pierce, New York. Peter S. Gilchrist, president Chemical Construction Co. of Charlotte, N. C., will act as chairman of the board, and William Schneider, president, Bank of Plant City, will serve on the board of directors. Judge James F. Glen, of Tampa, is attorney of the company. Executive offices are at Tampa.

Importation of crude material for use in manufacturing will approximate, according to National City Bank of New York, a billion and a half dollars in the fiscal year which ends with the current month, against \$909,000,000 in the fiscal year 1922, and \$1,051,000,000 in the fiscal year 1921. Raw material for manufacturing formed in the nine months ending with March no less than 39 per cent of the total merchandise entering the country, as against 35 per cent in the fiscal year 1922 and 29 per cent in the fiscal year 1921.

International Rhineland High Commission has increased by 25 per cent the duties on merchandise coming into the Rhineland from unoccupied Germany. The increase constitutes a penalty for the German defiance of the Franco-Belgian demand for cessation of the passive resistance and punishment for imposition by the German government of onerous duties on foreign importations sent through the Rhineland.

URGE CRESYLIC ACID TARIFF REVISION AT DISINFECTANT MAKERS MEETING

Immediate Reduction of Duty to Permit Imports,
Asked For—Supply 70 Per Cent Short in U. S.—
Association Drops "Insecticide" Part of Name

(Special to DRUG & CHEMICAL MARKETS)

Detroit, June 20—Cresylic acid and the tariff held the center of the stage at the mid-summer meeting of Insecticide and Disinfectant Manufacturers' Association at Hotel Statler, last week. After considerable discussion condemning the present duty on cresylic acid, a resolution was adopted urging on the Tariff Commission an immediate recommendation for a cut of fifty per cent in the rate. Supplies in the United States to-day are seventy per cent short of normal needs, it was pointed out. A resolution recommending to the Government the appropriation of a fund for testing and eliminating a number of low grade disinfectants on the market was passed. The name of the association was also changed at the meeting to the Disinfectant Manufacturers' Association, the "Insecticide" portion of the title being dropped.

Following an address by A. W. Clark, St. Louis, National "Clean Up and Paint Up" Campaign Bureau, the association decided to participate in the campaign in the future. In addition to an address of welcome from Mayor Frank E. Doremus, Dr. F. M. Meader, Detroit Department of Health, spoke on disinfection and public health work. The fifty members present at the meeting were entertained at the Highland Park plant of the Ford Motor Works, and at luncheon at the plant of Parke, Davis & Co.

C. C. Baird, Baird & McGuire, Holbrook, Mass., president of the Association, in his opening address, outlined methods of disinfection used in the past and the development of improvements in the science of disease prevention. He also urged a strong campaign directed on Washington to hasten the revision of the cresylic acid duty downward the fifty per cent permitted by the law. The meeting decided to hold the regular annual convention in New York during December.

Charles F. Whittemore, Denver, Colo., sailed from New York last week for Buenos Aires, Argentina, where he will install apparatus for purifying radium emanation. The University of Buenos Aires and a newly formed Argentine association of physicians, according to an announcement by the American Chemical Society, of which Mr. Whittemore is a member, have acquired a large supply of radium from Paris for use in cancer treatment.

Joel Henry Hildebrand, professor of chemistry, University of California, Berkeley, has been appointed dean of men by President-elect Dr. W. W. Campbell. Prof. Hildebrand is a native of New Jersey, and received his Ph.D. from University of Pennsylvania in 1906. He later studied under Mernst in Berlin. He is a member of American Chemical Society and American Electrochemical Society.

Dr. Leslie Carrington Beard, Jr., formerly instructor in chemistry at Johns Hopkins University, now chemist for the Standard Oil Co., New York, was married June 9, in Third Reformed Church, Baltimore, to Miss Mildred Holland Morgal, daughter of Mr. and Mrs. Guy N. Morgal.

E. H. Killheffer, Newport Chemical Works, has been elected chairman of the New York Section of the American Association of Textile Chemists and Colorists; H. F. Wilmot, treasurer, and Mr. Grandage, Clark Thread Mills, Newark, secretary.

Business Brevities

Specialty Glass Co., Long Beach, Cal., will build a new plant estimated to cost \$50,000.

G. S. Stoddard & Co., Inc., chemists, have moved to their new fireproof building, 121 E. 24th st., New York.

Kilseo Chemical Co., organized under laws of Delaware, with capital of \$1,000,000, has appointed W. S. Charak, 105 Hudson st., as New York agent.

Brocalsa Chemical Co., Columbus, Ohio, will install new equipment to provide for greater production. A bond issue of \$500,000 is being arranged.

Louisiana Utilities Mfg. & Agricultural Co., Hammond, La., will erect a commercial fertilizer plant. The company was recently formed with capital of \$1,000,000. H. G. Hungate is secretary.

Manufacturers of celluloid with plants in Brooklyn have protested against restrictions of the Bureau of Combustibles, saying they cannot continue in business if the city fire ordinances are enforced.

Bernard Trading Co., a holding company for May Chemical Co., has purchased a plot 50 by 100 feet at 200 Niagara st., Newark, N. J., adjoining the plant of May Chemical Co., which will build on the site.

Bon Air Chemical Co., Nashville, has been incorporated with capital of \$10,000,000 to take over Bon Air Coal and Iron Corp. Incorporators are M. P. O'Connor, Paul E. Griffin, Frederick Leake, J. A. Foster and J. O. Swingley.

American Magnesium Co. will establish its plant at Tidewater, Los Angeles, Cal. The company, which is building a railway to its sodium carbonate properties at Searles Lake, also owns valuable magnesium sulfate and aluminum sulfate deposits in Death Valley.

The advisory committee of the Chemical Exposition is considering a plan to have exhibitors display goods in some novel way that will demonstrate their special uses, and selling points. It has also been suggested that exhibitors have their full sales forces at the Exposition.

A. R. Moss Chemical Co., 308 East Eighth st., Los Angeles, Cal., has acquired a tract of about five acres at Bell, near Los Angeles, as a site for a new plant. The initial building will be one-story, 80 x 133 feet, with two wing extensions. A portion of the structure will be equipped as a chemical laboratory.

Maryland Chemical Co., Baltimore, is distributing, in less than carload lots, acids and heavy chemicals manufactured by the General Chemical Co., and delivery will be made by motor truck as well as by railroad in the territory around Baltimore and Washington. The Maryland company is also distributor for the American Trona Co., and for Wing & Evans.

Niagara Falls Smelting & Refining Corp., 1070-1084 Niagara St., Buffalo, has organized by electing W. R. Hopkins, Cleveland, president; Ernest G. Jarvis, Buffalo, vice president and general manager; and A. Madigan, Buffalo, treasurer. The company will make ingot metals and alloys, Babbitt metal, and solders. The plant cost approximately \$100,000. Crude materials used are fluor-spar, acids, borax and copper sulfate.

CHEMICAL FOUNDATION SUIT WATCHED BY AGENT OF GERMAN DYE CARTEL

Dr. Eugene Maas, Official Observer, Will Issue Statement on Points Brought Out by Col. H. A. Metz—Court Rules Out Government Evidence Involving President Wilson's Authority to Order Sale of German Patents

(Special to DRUG & CHEMICAL MARKETS)

Wilmington, Del., June 20—The Government suit against Chemical Foundation will be heard again tomorrow, having been adjourned to Thursday at the close of the session on Friday, June 15. Col. Metz was not called on Friday, but it developed during the proceedings that Dr. Eugene Maas, official observer for Interessen Gemeinschaft, the German Dye Cartel, is present at the trial, and if Col. Metz appears for the U. S. Government, having been summoned as a witness by Col. Anderson, assistant attorney general, Dr. Maas will issue a statement covering points that are brought out by Col. Metz.

During the week Judge Morris held that evidence was irrelevant which the Government had depended upon as of the utmost importance in its case against the Chemical Foundation. The court has already indicated a number of times its intent to hold with the defense that war acts of a President are not reviewable by the courts. On this principal contention rests the fate of the suit in equity. Judge Morris said:

"It seems to me that a court cannot substitute its opinion of what is for the greatest public interest for the judgment of the President, Mr. Polk, or Mr. Palmer, or any other authorized or empowered official."

Isidor J. Kresel, counsel for the defense, pointed out that the peace treaties specifically ratified "every act taken by any agency of any of the Allied Governments with respect to enemy property. So," he said, "if there were no express ratification of this act by the President there is a ratification taken advantage of by our Government and approved in our treaty with Germany, ratifying every act of the custodian and the President up to that time with respect to enemy property."

Mr. Kresel announced that when the defense opens he probably would move for dismissal.

George W. Storck, formerly special accountant in the office of the Alien Property Custodian, testified that the total amount received from royalties on the patents from Dec. 31, 1917, to Dec. 31, 1922, was \$1,289,783.25. Of this amount, he said, the Chemical Foundation had received \$675,345.10; the Federal Trade Commission \$491,801.77, from which \$30,000 was deducted in payment against principal on the sale of a contract.

Charles T. Parmlee, New York, a manufacturing chemist, testified concerning patent No. 906918. The witness said that while this patent had been seized by the Alien Property Custodian it had been his property since May 11, 1911. Mr. Parmlee contended that he was an American citizen and that the seizure was unlawful.

Many zinc mines in the Joplin, Mo., district are curtailing production because of lower prices and higher costs. Over a dozen plants have ceased operations within the last two weeks. These curtailments should have a direct effect upon any further accumulations of stocks within the district.

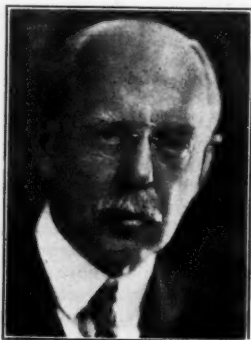
Carbon Limestone Co. has purchased the properties of Interstate Limestone Co., near New Castle, Pa., adding about 8,000,000 tons of limestone to its holdings, increasing them to 20,000,000 tons. For the present the Interstate properties will not be operated.

NEARLY ALL INDUSTRIES DEPENDENT UPON CHEMISTRY, SAYS A. D. LITTLE

Manufacture of Steel, Production of Gold, the Gas Industry, and the Farmers' Crops Subject to Chemical Control—How Americans Lost an Opportunity in Artificial Silk

Arthur D. Little told New York State Bankers' Association in convention at Atlantic City, last week, that America had taken Germany's place as leader in chemical developments. He said nothing had so greatly augmented the supply of gold as the cyanide and chlorination processes, which have permitted the profitable extraction of gold from vast deposits of low-grade ores. He continued:

"Every step in the manufacture of steel is subject to chemical control. The blast furnace is merely a gigantic crucible of special design for the conduct of chemical processes on the grand scale. Without the Bessemer process and the basic converter of Thomas and Gilchrist modern civilization would be impossible and the great steel corporations non-existent at the present time.



ARTHUR D. LITTLE

"The gas industry represents an investment of \$4,000,000,000, and the revenue from sales of manufactured gas in 1921 was over \$379,000,000. It is based primarily on the chemical processes of Murdock and of Lowe.

"To Le Blanc, who died in a French poorhouse, and to Solvay you owe the great alkali industry; to Hall and Heroult the Aluminum Co. of America; to other chemists the spectacular electrochemical developments at Niagara Falls.

"The founder of the du Pont family in this country was a pupil of Lavoisier, the father of chemistry, and chemistry, fostered by intensive research, has been the tap root of that industrial sequoia which bears the family name.

"I doubt if a corporation is listed on the New York Stock Exchange that does not in some phase of its activities touch chemistry. Chemistry adds \$150,000,000 a year to the value of the average cotton crop by developing by-products from the cotton seed once only a nuisance to the farmer and his neighbors, and new corporate values follow. Because of the discovery of a simple chemical reaction 40,000,000 bushels of corn are converted to glucose in the United States each year and the securities of the Corn Products Refining Co. have interest for bankers.

"Twenty-four years ago a firm of distinguished London chemists offered the American rights to viscose artificial silk for £11,000. They found no takers here. Our financial men could not see the oak in the acorn. Ultimately an English group was found who undertook the development at Coventry, in England, and later in this country at Marcus Hook.

"Last year the world's production of real silk was 60,000,000 pounds and of artificial silk 80,000,000, and of this the American production of viscose silk by this one company was 22,000,000 pounds. I have never seen their cost sheets, but will hazard a guess that their profits have been at least \$1 a pound."

1923 FERTILIZER CONDITIONS DISAPPOINT (Special to Drug & Chemical Markets)

White Sulphur Springs, W. Va., June 20—Conditions in the fertilizer industry during the past year have been disappointing and caused much pessimism among producers although some improvement over the state of affairs in 1922 was noted. Increased production and keener competition between makers, with agricultural prosperity not general, was the cause of many troubles, according to President Gustavus Ober, Jr., reviewing conditions in his address at the annual convention of National Fertilizer Association. The annual meeting of Southern Fertilizer Association was held here immediately following the National meeting.

President Ober said in part in his address: "Our difficulties had largely been brought about by overproduction, this, in turn, being caused by a decreased consumption in the period following the war. With the prospect of better business, we, therefore, felt confident that we were on the way to recovery and a more normal operating basis for our industry. This hope of an increased tonnage was, in fact, realized in some sections, even to an unexpected extent. In other sections the hope fell flat as there was an actual decrease in tonnage. This was due as much, I think, to a desire on the part of the farmer to economize as to any other reason. In some cases this amounted almost to a buyers strike. Generally speaking though, there has been a fair increase of tonnage for the industry as a whole. We, too, bear, I believe, a personal responsibility for some of our troubles. The stress of overproduction and personal necessity has, in many cases, so clouded our judgment that we have given way to practices and methods that have been, to say the least, detrimental to the return of the industry to normal. If prosperity is to be realized, we will have to clear our eyes from the dust of the arena in which most of us are struggling and take a broader view of the future as well as the pressing necessities of the moment."

1923 ALCOHOL OUTPUT 50,000,000 GALS.

Fifty million gallons of industrial alcohol will be produced in the fiscal year 1923 which closes June 30, according to a report from U. S. Prohibition Commissioner Roy Haynes, recently issued. According to the report, the production of industrial alcohol from July 1, 1920, to June 30, 1921, was 44,047,442 wine gallons; July 1, 1921, to June 30, 1922, 41,691,776; and from July 1, 1922, to March 31, 1923, 48,857,894.

"These figures of gross production of industrial alcohol in the country clearly show that the production and use have closely followed the lines of commercial activity and that the drop from 44,000,000 to 41,000,000 was due to the depression of a year ago. The number of plants now qualified to produce alcohol is practically the same as two years ago, being approximately seventy in number, but at present they are working at a greater capacity than they were two years ago.

The withdrawals of denatured alcohol follow:—Specially denatured, twelve months' period ending February 28, 1921, 11,767,587.77, wine gallons; period ending February 28, 1922, 12,719,452.46 wine gallons; period ending February 28, 1923, 25,505,940.07 wine gallons.

Completely denatured:—Twelve months' period ending February 28, 1921, 13,319,230.19 wine gallons; period ending February 28, 1922, 15,483,003.92 wine gallons; period ending February 28, 1923, 22,766,389.90 wine gallons.

Fort Smith Fertilizer Co., Fort Smith, Ark., will install grinding, mixing and pulverizing machinery.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending June 16

Bid	Asked	Bid	Asked
Air Reduction	64	Heyden Chem.	17 1/2
*Allied Chem. & D. 68	69	Hooker Electro	55
*Allied Ch. & D., pf. 108	109 3/4	Hooker Electro, pf. 60	70
*Am. Ag. Ch.	16	*Household Products 33 1/2	33 3/4
*Am. Ag. Ch., pf.	42	*Int. Agricult.	4
*Am. Chicle	9	*Int. Agricult., pf. 12 1/2	13
*Am. Chicle, pf.	40	*Int. Nickel	14 1/2
*Am. Cot. Oil.	6 1/4	*Int. Nickel, pf.	82
*Am. Cot. Oil, pf.	16	*Int. Salt	78 1/2
*Am. Cyan.	48	*Mathieson Alk.	46 1/4
*Am. Cyan., pf.	73	Merck & Co., pf.	47
*Am. Dyeing S.	5	Merrimac	96
Am. Glue	82	Mulford Co.	29
Am. Glue, pf.	124	Mutual Co.	150
*Am. Linseed	21	*National Lead	114 1/2
*Am. Linseed, pf.	42 1/4	*National Lead, pf. 108 1/2	110
*Am. Malt	12	N. J. Zinc	152
*Am. Zinc	9 1/4	Niag. A., pf.	96
*Am. Zinc, pf.	40	Parke, Davis & Co. 80	80
*Atlas Powder	171	Penn. Salt	84 1/2
*Atlas Powd., pf.	86	*People's Gas, Chi. 91 1/2	92 1/2
By. Prod. Co.	67	Procter & Gamble. 124	128
Carborundum	135 1/4	Procter & Gam., pf. 102	106
Carborundum, pf.	115 1/4	Royal Bak. Co.	122
Casein Co.	60	Royal Bak. Co., pf. 96 1/2	99
Celluloid Co.	88	Sherwin-Williams ..	101
Celluloid Co., pf.	107	Stand. Ch.	90
Ches. Mfg.	233	Swan & Finch	26
Ches. Mfg., pf.	110	*Tenn. C. & Chem. ..	9 1/2
Com'l Solv. A.	28	*Tex. Gulf, Sul.	58 1/2
Do B.	18 1/2	Union Carbide	56 1/2
*Corn Products	131 1/4	Union Sulphur	80
*Corn Products, pf. 116 1/4	119	*Un. Drug	47 1/2
*Davison Chem.	32 1/2	*Un. Drug, 1st pf.	43
Dow Chem., non par. 40 1/4	96	Un. Dyewood	130
Dow Ch., pf.	126	Un. Dyewood, pf. 112	112
Du Pont de Nem.	85 1/4	Un. Gas Imp.	49 1/2
Du P't de Nem. Db. 85	85 1/4	Un. Gas Imp., pf.	55 1/4
Eastman Kodak	106 1/4	U. S. Gypsum	64 1/4
Eastman Kodak, pf. 108 1/4	106 1/4	*U. S. Indus. Al.	51 1/2
*Freeport Tex., Sul. 12 1/2	12 1/2	*U. S. Indus. Al., pf. 94 1/2	100
Freep. Tex. Sul., pf. 91	93	*Va.-Car. Ch.	8 1/4
*Grasselli	125	*Va.-Car. Ch., pf.	26 1/4
*Grasselli, pf.	102	*V. Vivaudou	18 1/2
Hercules Powder	103		
Hercules Powd., pf. 103	105		

*Listed on New York Stock Exchange

American Agricultural Chemical Co. reports 15 per cent gain in sales of fertilizer over the amount sold to date last year. About 65 per cent of the sales this year were for cash. The company reports satisfactory liquidation of receivables which stood at \$18,796,363 as of June 30, 1922. It owes nothing to the banks having recently anticipated payments on some notes. On June 30 last this item stood at \$4,806,356, and on the same date of 1921, \$15,522,000.

Stockholders of Atlas Powder Co. have approved the proposal to create an issue of 500,000 shares of capital common stock without par value. From this 261,438 shares will be issued in exchange for the present outstanding capital stock of \$100 a share par value, on the basis of three shares of the new stock for one share of the old.

George W. Manly was appointed receiver of the insolvent Oil Products Co., Inc., 302 North Holliday st., Baltimore, by Judge Soper, United States Court, on June 5, under \$10,000 bond. Adjudication of the corporation as a bankrupt was made at the request of three creditors, who filed claims totaling \$570.

National Licorice Co. has declared a semi-annual dividend of 2 1/2 per cent on common and quarterly of 1 1/2 per cent on preferred. The common is payable July 10 to stock of record July 2 and preferred June 30 to stock of record June 22.

Merrimac Chemical Co. has declared an extra dividend of \$1 a share, in addition to the quarterly dividend of \$1.25. Both dividends are payable June 30 to stockholders of record June 16.

INDUSTRIAL ALCOHOL EARNINGS INCREASE

The decline in the common stock of U. S. Industrial Alcohol to 56 represents a 17 point drop from 1923 high. Stock sold in 1922 as high as 72 1/2. High in 1921 was 74 1/2, and in 1920, 116 1/2. Dividends on common were discontinued in 1921 after 5 per cent had been paid. Common dividends of 8 per cent were paid in 1920, 14 per cent in 1919, 16 per cent in 1918, and 32 per cent in 1917. Dividends on \$6,000,000 preferred have been paid regularly. U. S. Industrial Alcohol controls Cuba Distilling Co., which owns Porto Rico Mercantile Co. The business of these companies is gathering and distributing molasses.

The appreciation in the market value of the stock of Cuba Co. indicates profits estimated between \$700,000 and \$1,000,000 for U. S. Industrial Alcohol if the directors should decide to liquidate its Cuba Co. holdings. Earnings of Industrial Alcohol this year have shown continued improvement over 1922, when \$3.68 a share was earned on \$24,000,000 common.

American Smelting & Refining Co. has declared a quarterly dividend of \$1.25, payable Aug. 1, on stock of record July 9. The new dividend is the first to be paid on the junior issue since March, 1921, when a distribution of \$1 a share was made. Previously the dividend rate had been \$6 annually. The quarterly dividend of \$1.75 a share was declared on the preferred stock, payable Sept. 1 to stock of record Aug. 10.

International Nickel Co. common stock (one lot of 100 shares) was sold for \$14.25 per share at the Auction Sales Rooms, Vesey st., New York, June 13.

Tennessee Copper Chemical Corp. has declared a quarterly dividend of 25 cents per share payable July 16 to stockholders of record June 30.

Empire Fertilizer Co., New York, will issue 10,000 shares preferred stock, \$10 each, and 3,000 shares common, no par value.

New Consuming Companies

- Victory Dyeing and Finishing Co., Paterson, N. J., \$300,000
- Anthony Nazzaro, Jennie Nazzaro, James Dimond, Paterson.
- North Newark Laundry, Clinton st., Newark, N. J., \$100,000.
- No-Worry Chemical Co., 810 Broad st., Newark, N. J., \$50,000. Chemical products.
- Triangle Rubber & Supply Co., Boston, \$50,000. Manufacturing.
- Louis Kumins, Roxbury; Albert Swerdlove, Dochester, William M. Silverman, Dorchester.
- Ber-Tan Leather Co., Lynn, Mass., \$50,000. Chas. V. McManus, Walter H. Murphy, Lynn; Julia M. Cotter, Salem.
- Rugby Knitting Mills, Buffalo, \$1,050,000. D. B. and S. and E. Levi. Attorneys, Shire & Jellins, Buffalo.
- International Laboratories, Wilmington, Del., \$125,000. Colonial Charter Co.
- Summit Hosiery Co., Wilmington, Del., \$100,000. Colonial Charter Co.
- E. S. Tyler Drug Co., Philadelphia, \$100,000. Chain of drug stores. Corporation Guarantee & Trust Co.
- Barretts, Palmer & Heal Dyeing Establishment, Inc., New York, \$200,000. Jeannette Wanneker, 174 E. 74th st., New York.
- Northeastern Rubber Co., 252 North Broad st., Elizabeth, N. J., \$125,000. Manufacturing.
- Hite Drug Co., Wilmington, Del., \$250,000. Registrar & Transfer Co.
- Crusoid Products, Buffalo, N. Y., \$25,000. W. C. Krus and W. C. Krus, Jr., B. B. Dowd. Attorneys, Hull & Hammond, Buffalo.
- Brooks Piece Dye Works, New York, \$10,000. J. Brooks, G. Raiff, A. Appelbaum. Attorney, M. H. Hofstadter, 261 Broadway.
- Stamplex Corp., Wilmington, Del., \$300,000. Manufacture steel and iron. Colonial Charter Co.
- Famous Fitz-Hugh, Dover, Del., \$250,000. Manufacture textiles.
- Frank M. Deeney, John E. Fitzpatrick, Rose McLaughlin, Philadelphia. Capital Trust Co. of Delaware.
- Edwards Merritt Co., Wilmington, Del., \$100,000. Manufacture tires, oils, greases. Corporation Trust Co. of America.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 1568

MAKERS REDUCE COPPER SULFATE

Imported Material Selling at Low Levels—Prussiates Continue Weak—New Method of Quoting Alkali Prices—Oxalic Acid Reduced—Sodium Nitrite Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
No Advances	
Declined	
Copper Sulfate, dom., 15c 100 lbs.	Sodium Nitrite, 3/4c lb.
Oxalic Acid, 1/2c lb.	Zinc Dust, 1/2c lb.
Barium Nitrate, 1/4c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial...lb.	\$12 3/4	\$12 3/4	\$12 3/4	\$8 08 1/2	\$19 1/2	\$07
Sulfuric Acid, 66 deg. ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate, 100 lbs.	3.15	3.15	3.20	2.85	7.50	1.50
Bleaching Powder...100 lbs.	1.90	1.90	1.90	1.60	9.50	1.50
Copper Sulfate...100 lbs.	5.50	5.65	6.00	5.95	20.00	4.50
Potash Caustic...lb.	.07 3/4	.07 3/4	.08 3/4	.06	.37	.08
Soda Ash, 58 p.c...100 lbs.	2.00	2.00	2.00	2.00	3.50	.60
Caustic Soda, 76 p.c...100 lbs.	3.70	3.70	3.70	3.75	9.50	1.42
Potassium Bichromate...lb.	.11 3/4	.11 3/4	.11 3/4	.10	.65	.06 3/4
Sodium Prussiate...lb.	.16	.16	.16 1/2	.22	1.25	.18
Average	3.172	3.187	3.222	3.052	10.79	2.99

Quiet conditions still prevail in the market for heavy chemicals. A little activity develops for a day or two, but it usually dies out as quickly as it came. Inquiries have been more numerous recently and in most cases are due to snowballing of a few inquiries. Reports from all quarters are to the effect that little business is passing. The summer dullness is apparent and consumers are getting along with as small stocks as possible and buying only when absolutely necessary. Buyers will not buy in a declining market, but a reaction is looked for before the end of July that will start business upward again. More contract business has been done this year than heretofore, and this accounts somewhat for the lack of spot buying with industries still going along in fair shape. Increased contract business is especially true in alkalis and dealers have not been enjoying former activity. Makers are now quoting alkalis on the basis of 76 per cent instead of the old method of 60 per cent. Bleaching Powder is less active during the summer and prices are unsettled. Prussiates continue weak. Copper sulfate is lower. Oxalic acid has been reduced. Sodium nitrite is plentiful and lower in price. Aluminum sulfate is easier in some directions. Zinc dust is lower. Bichromates are holding firm. Heavy acids are moving well. Alkalis are steady.

Acid, Acetic—Buying is still along active lines and makers are operating at capacity. All grades are moving well. Prices are holding steady at recent levels with 28 per cent at \$3.38@3.63 in bbls; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.03.

Acid, Muriatic—Makers report a steady demand from all industries which is keeping their plants busy. Prices are steady and firm at \$1.00@1.10 for 20° in tanks and \$1.25@1.50 in carboys; 22°, \$1.75@2.00; 18°, \$1.00@1.10 in carboys.

Acid, Oxalic—Makers have reduced their prices and are now quoting 13c@13 1/2c lb. as to quantity at works. Spot prices are also lower at 13c@13 1/4c lb. Imported named at 13c@13 1/4c lb. Demand is less active and competition keen.

Acid, Sulfuric—Demand has fallen off somewhat but there is still a good volume of business being done on spot while contract withdrawals are steady. Supplies are increasing slowly but no large surplus exists. Prices are holding up with 66° in tanks named at \$15.00@16.00 ton at works; carboys at \$1.25@1.50; 60° unchanged at \$9.00@10.00 in tanks; Oleum is in limited supply at \$19.00@20.00 ton in tanks.

Acetone—Prices are firm at recent advance and supplies far from plentiful. Methyl quoted at 90c@95c gallon at works; C. P. 25c@25 1/2c lb., works, and 30c@32c lb. resale.

Alums—All grades are quiet with prices of imported material easier in some directions. Domestic ammonia in lumps named at \$3.50@3.60; potash alum held at 3c@3 1/4c lb. on spot; chrome steady at 5 1/2c@5 3/4c lb.

Aluminum Sulfate—Makers are holding prices steady at \$2.50 for the iron-free. Some imported material is offered at lower prices but demand is inactive; commercial is quoted at \$1.40@1.50 in carlots.

Ammonium Chloride—Buyers have shown little interest and supplies have been accumulating. Prices are easier at 6 1/4c@6 3/4c lb. for imported white; domestic held at 7 1/4c@8c lb.; Gray is scarce at 8c@9c lb., lump quiet at 13c@14c lb.

Ammonium Sulfate—Very little business at this season. A few foreign firms are willing to buy but not at present prices. Contracts are named at \$3.15@3.20. F.a.s. in double bags, \$3.50@3.60.

Arsenic—The market continues quiet with all interested parties waiting developments in calcium arsenate. Sales of arsenic have been made as low as 13 1/2c lb. while most sellers are holding to 14c lb. Supplies are gradually increasing but the amount available is still comparatively small.

Barium Compounds—Very little business is passing. Some imported carbonate is available at \$70.00 ton while import costs are up to \$75.00. Domestic producers are quoting \$68.00@70.00 at works. The chloride can still be had at \$80.00@85.00 or imported; domestic at \$88.00@90.00. Nitrate is easier at 7 3/4c@8c lb.

Bleaching Powder—The situation is unsettled with demand for bleach less active during warm weather and buyers and sellers adjusting stocks to suit the season. Prices are quoted mainly at \$1.90 at works and \$2.50@2.60 on spot.

Calcium Arsenate—Everyone is awaiting developments in the South during the next month. Planters are gradually beginning to call for insecticide as the weevil makes its appearance. Southern dealers have sufficient stocks for immediate needs but are uncertain about the future. Experiments in spraying arsenate by airplane are being conducted in the South. Prices are from 16c@17c lb. at present depending upon quantity and seller.

Copper Sulfate—Some good business is reported by domestic makers in repeat orders. Prices have been reduced to a basis of \$5.50@5.60 for small and large crystals, delivered. Imported material is quiet with most sellers holding at 5c@5 1/4c lb. though sales have been made at 4 1/4c@4 3/4c lb. Supplies are still plentiful.

Potash, Caustic—Business barely moving in imported goods while domestic is fairly steady. Imported prices

are down to 7½¢@7¾¢lb. and this is about as low as sellers can afford to do business. Import costs are at 7¾¢lb. Domestic material at 9¢@9½¢lb.

Soda Ash—Makers are now quoting ash on a flat basis, \$1.33 per 100lbs. for light in bulk, 58% Na₂O; bags, \$1.45@1.50; bbls. \$1.69. Dense, 58%, \$1.51 in bags and \$1.75 in bbls. Demand is steady and makers report plants operating at near capacity.

Soda Caustic—The new selling basis names solid in drums at \$3.16 per 100lbs. at works, for 76% Na₂O, on contract. Other forms are also on a flat basis. Spot prices range from \$3.30@\$3.70 as to brand and quantity. Export demand is quiet while domestic business is fair on spot. Makers are enjoying a steady volume of business.

Sodium Prussiate—Sales of yellow have been reported at 14¢lb. Demand is dull and prices are easy. Imported material named at 15¢@15½¢lb.; domestic at 16¢lb. delivered.

GAINS SHOWN IN CHEMICALS EXPORTS

Important increases, as well as equally marked decreases, were evidenced in our foreign sales of chemicals and allied products during April, 1923. Of the heavy chemicals recording considerable gains, acetate of lime advanced 116 per cent in value, from \$72,405 (3,645,869 pounds) in April, 1922, to \$156,708 (4,448,824 pounds) in April 1923; dextrine or British gum, 106 per cent, from \$39,434 (1,183,954 pounds) to \$81,335 (2,223,938 pounds); aluminum sulfate, 63 per cent, from \$44,504 (2,742,727 pounds) to \$72,385 (3,501,692 pounds); and baking powder, 40 per cent, from \$99,584 (230,574 pounds) to \$138,447 (346,612 pounds). On the other hand, shipments of copper sulfate dropped 93 per cent, from \$41,352 (917,495 pounds) in April, 1922, to \$2,673 (47,010 pounds) in April, 1923; calcium carbide, 79 per cent, from \$75,927 (1,559,138 pounds) to \$16,192 (407,658 pounds); bleaching powder, 67 per cent, from \$43,693 (2,788,056 pounds) to \$14,649 (659,335 pounds); and glycerin, 53 per cent, from \$37,498 (249,085 pounds) to \$17,641 (92,102 pounds). The reduction in value but expansion in volume of shipments of sodas and sodium compounds, evident in February and March, continued in April, when \$987,911 worth (36,605,402 pounds) were sent abroad.

Nitrate Producers' Association of Chile estimates March sales at 1,966,331 metric quintals, compared with 1,685,403 quintals in February, and 1,960,742 in January. Sales effected by the Association up to the end of March totaled 19,655,346 metric quintals, while "outside" sales, including 1,010,084 quintals credited to the two American companies, amounted to 2,133,762 metric quintals. Exports from the various ports of Chile during the past month totaled 2,226,017 metric quintals, compared with 2,705,979 quintals in February, and 2,225,139 quintals in January. Total exports for the first three months of the previous year amounted to only 1,036,480 metric quintals. Approximately 50 per cent of the 1923 exports have gone to the United States.

Calcium arsenate has been placed on the market by Salt Lake Insecticide Co. Dr. Frank K. Cameron has charge of production. Howard Ambruster is New York agent.

The fifth annual convention of National Lime Association was held June 13-15 at Hotel Commodore, New York. This was the twenty-first year that the lime burners have held an annual meeting.

METHOD OF QUOTING ALKALIS CHANGED

Wing & Evans, Inc., sales agents for Solvay Process Co., announce that hereafter their quotations on soda ash and caustic soda will be made on the basis of 100 pounds flat; that is, as shipped. This method of quoting will supersede the old practice of quoting soda ash on the basis of 48% Na₂O and caustic soda on the basis of 60% Na₂O, and the change is made in the interests of a better understanding between buyer and seller in the marketing of these Alkali products. This change, coupled with that announced by Wing & Evans, Inc., some months ago changing the method of testing soda ash and caustic soda from New York and Liverpool test to actual test, will simplify transactions in these products and remove all chance of confusion as to what has been actually bought and sold. Prevailing contract prices on a flat basis are as follows:

	Per 100 pounds
58% Light Soda Ash—	
In bulk	\$1.33
In 300-pound bags	\$1.45
In 150-pound bags	\$1.50
In barrels	\$1.69
58% Dustless Dense Soda Ash—	
In bulk	\$1.42
In 430-pound bags	\$1.51
In 430-pound barrels	\$1.75
76% Solid Caustic Soda—	
In 700-pound drums	\$3.16½
76% Ground Caustic Soda—	
In 475-pound drums	\$3.60
In 575-pound barrels	\$3.85
76% Flake Caustic Soda—	
In 400-pound drums	\$3.60
In 525-pound barrels	\$3.85

These prices are for carload quantities under contract, f.o.b. maker's works. Spot carload prices, on soda ash 5¢ per 100 pounds higher; on caustic soda 10¢ per 100 pounds higher.

APPROVES BOX FOR SHIPPING CARBOYS

A box for shipping carboys containing chemicals has been approved by the Interstate Commerce Commission. It is made of wood and has cushion walls on the inside. Glass containers can be packed without using any protecting material, according to Charles Lefkowitz, president Hercules Carboy Box Co., Newark, N. J., who says: "Hitherto each glass bottle had to be packed in protective layers of hay or mineral wool, which meant a very considerable cost in labor and material. In cold weather there was always the trouble arising from moist hay freezing against the bottle and packing box, making it difficult and often dangerous to remove glass containers."

Outgoing shipments of fertilizers and fertilizer materials in April, for the first time this year exceeded those of the corresponding month of 1922, having totaled \$2,256,139 (98,236 tons), compared with \$1,666,956 (87,161 tons) in April, 1922. Heavier shipments of sulfate of ammonia and superphosphates were made, but smaller amounts of phosphate materials and prepared fertilizer mixtures were exported.

A 14 per cent drop was registered in the shipments of sulfur to foreign countries during April, 1923, as compared with April, 1922, exports having declined from \$793,746 (53,501 tons) to \$679,151 (42,034 tons). Canada was our best customer, with Germany a close second, and France, Spain, and Australia following in the order named.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 1572

CRESYLIC ACID PRICES FIRMER

Coal Tar Crudes in Better Supply—Intermediates Offered Lower at Resale—Wool Dyes Fairly Active—Export Movement in Sulfur Colors—Pyridine, Scarce and High

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			Declined			Trend of the Market		
	Today	Last Week	Last Month	Today	Last Week	Last Month	Today	Last Week	Last Month
Cresylic Acid, 5c gal.	.27	.27	.30	.27	.27	.30	.27	.27	.30
Pyridine, 50c gal.	.08	.08	.08	.08	.08	.08	.08	.08	.08
Alpha-naphthol, 5c lb.	.50	.50	.58	.50	.50	.58	.50	.50	.58
Benzene, pure	.29	.29	.30	.29	.29	.30	.29	.29	.30
Naphthalene flake	.16	.16	.16	.16	.16	.16	.16	.16	.16
Phenol	.35	.35	.35	.35	.35	.35	.35	.35	.35
Toluene, pure	.75	.75	.75	.75	.75	.75	.75	.75	.75
Aniline Oil	.23	.23	.23	.23	.23	.23	.23	.23	.23
Alpha-naphthylamine	.41	.41	.41	.41	.41	.41	.41	.41	.41
Benzaldehyde	.74	.74	.74	.74	.74	.74	.74	.74	.74
Betanaphthol, dist.	.378	.378	.391	.378	.378	.391	.378	.378	.391
Dimethylaniline	.331	.331	.331	.331	.331	.331	.331	.331	.331
Paranitroaniline	.18	.18	.18	.18	.18	.18	.18	.18	.18
Average	.378	.378	.391	.378	.378	.391	.378	.378	.391

Quiet conditions continue to prevail in the market for coal tar products and prominent factors state that no large volume of business is looked for during the next few months. The usual summer decline in business has begun, but a resumption of activity is expected in the early fall. Prices on the whole are holding up well on intermediates. A few odd lots have come into the market at prices below those quoted by manufacturers, and in some cases makers will shade prices a little. Manufacturing costs have been increasing, but prices have been quite stable except in cases which have been influenced by higher costs of raw material. Coal tar crudes have become more plentiful, due to increased production and a recent lack of demand. Cresylic acid has been moving somewhat better and sellers are firmer and higher in their prices. Phenol is about the same, the market holding close to the 50c price, though some sales have gone through below that price. Naphthalene is dull at unchanging prices. Makers' prices for the third quarter are reported higher than for first half of the year. Pyridine is scarce and high. Competition is keeping dyestuff prices at low levels, while demand is quiet. Wool dyes are in fair demand. Sulfur colors are reported in some demand for export.

Coal Tar Crudes

Benzene—Demand for industrial benzol has fallen off while motor benzol is improving in demand. Production has been steady and on a large scale. Competition is keen for business to prevent accumulation of stocks. Pure benzol is quoted at 27c@30c per gallon, as to quantity and seller, while the 90 per cent is named at 25c@27c per gallon.

Cresylic Acid—With more interest manifested by consumers, sellers are firmer in their prices. One seller is naming \$1.20 as the lowest price for 97-99 per cent, while the range is \$1.15@1.30 per gallon, as to quantity. Dark 95 per cent quoted at \$1.10@1.15.

Naphthalene—The market is reported quiet to fair, with prices holding at 8c@8½c lb. for flake. Demand for intermediate manufacture is less active and prices

for chipped are named at 7¼c@8c lb. Crude is still in limited supply and imported material is arriving regularly. Prices in England are reported easier.

Phenol—The market is holding close to the 50c price with occasional sales between 45c@50c lb. Present makers are sold ahead, so there is no surplus material in the market.

Pyridine—Demand here and for export has been active, while supplies are very scarce. Recent quotations from England name 21s 6d per gallon over the remainder of the year. Other prices have been heard at \$3.75@4.00 per gallon, but the lower figures are becoming difficult to obtain.

Toluene—In better supply and moving quietly at 29c@30c per gallon in tanks, and 34c@35c in drums.

Xylene—Still in limited supply, with small lots held at \$1.00 per gallon, while occasional tanks are moved at 60c@75c per gallon by large producers.

Intermediates

Acid, Anthranilic—Routine demand, with technical steady at 96c lb. and refined at \$1.20 lb.

Acid, Benzoic—In small supply, technical being quoted at 70c@75c lb., and U. S. P. up to 85c lb.

Acid, Cleve's—Moving quietly at \$1.00@1.10 lb.

Acid, Gamma—Business has dropped off, but prices are still quoted at \$1.70@1.80 lb.

Acid, H—Contract deliveries continue steady, while spot demand is less active. Selling basis still firm at 80c@85c lb.

Alpha-naphthylamine—Moving in a fair way, with ton lots named at 35c lb. and smaller lots up to 37c lb.

Alpha-naphthol—Demand is dull, with prices easy at 60c@65c lb. for crude, and refined at 70c@75c lb.

Aniline Oil—Makers are still quoting on a basis of 16c@17c lb., depending upon the quantity, while a few odd lots are being resold at 16c lb. in single drums.

Benzaldehyde—Supplies continue small, while demand is still active. Makers are holding technical at 75c@80c lb.

Benzidine—Demand has become routine and prices are holding steady at 82c@84c lb., as to seller and quantity.

Beta-naphthol—Resale lots are offered at 20c@21c lb., but little interest is manifested. Manufacturers are less firm in their prices and quoted prices can be shaded. Named at 23c@24c lb.

Dimethylaniline—Makers continue to quote prices at 42c@43c lb., as to quantity. Demand has fallen off, but a fair volume is reported passing.

Dinitrobenzene—Prices are holding steady at 19½c@20c lb. Consumers are taking on smaller quantities to conform to lessened activity.

Meta-phenylenediamine—Moving in a routine way with makers holding prices at 90c@95c lb.

Meta-toluenediamine—Makers are naming this product at 90c@95c lb., with demand along seasonable lines.

Ortho-toluidine—Generally quoted at 14c@16c lb., but firm orders would find 13c lb. possible in some quarters. Demand is quiet.

Para-aminophenol—Fur dyers are taking regular sup-

plies, though activity has not been pronounced. Prices are holding at \$1.40@1.50 for the base.

Para-nitraniline—Some sellers are quoting lower prices and a few odd lots have reached the market at 75c/lb., but manufacturers are still quoting at 74c@75c/lb.

Para-toluidine—Fair demand, with prices ruling at 90c/lb., though lower prices are possible in some directions.

NEW USES FOR FURFURAL FOUND

In the recent development of new chemical processes and the utilization of waste products, much progress has been made in the manufacture and application of furfural. Experiments are under way by the Bureau of Chemistry on the manufacture of furfural from other agricultural wastes than corn cobs, such as hulls of rice, buckwheat, cottonseed and peanuts. In Germany, furfural has been found to be one of the most important by-products in the conversion of sawdust, straw, bamboo and other cellulose materials into sugar. Furfural is an aldehyde and as such can be combined with certain coal tar intermediate products such as toluidines, naphthylamines, meta-nitraniline, xylydine, methyl ethyl ketone and diamines, forming resinous condensation products and synthetic shellac. The manufacture of these products would rival the product obtained by the condensation of formaldehyde and phenol. Patents on nine products have been granted to two chemists, M. Phillips and G. H. Mains, of the Department of Agriculture who have dedicated them to the free use of the Government and the people of the United States.

GERMANY LOSES ZINC DUST TRADE

In a report on zinc dust, Trade Commissioner Arthur J. Grey, Berlin, writes to the Department of Commerce, Washington, that while Germany made the heaviest sales of zinc dust to the United States before the war, the exports have dwindled as production in America rose from 69 tons in 1910 to 11,339 tons in 1920. In 1922 Germany exported only 603 tons, and zinc dust was merged with zinc oxide in the reports.

Among the manufacturers in Germany there are Kahlbaum, Adlershof-Berlin; Merck, Darmstadt; Schuckert, Gortitz; Hohenlohenhuetten, Upper Silesia; Gische's Erben, Breslau. These firms produce the pure material.

English manufacturers are: H. S. Willcocks & Co., Manchester; Keeling's Oxides (Est. 1921), Ltd., 35 Surrey street, London, W. C.; May and Baker, Battersea, London; Prescott & Co., Rutland Mills, Hulme, Manchester.

March imports of dyes and dyestuffs, according to Department of Commerce figures, show totals of 24,436 lbs. of alizarin and alizarin dyes, valued at \$45,591. Switzerland supplied 10,337 lbs., and Germany 9,742 lbs., valued at \$28,853 and \$12,620 respectively. Color lake imports, all from Germany, were 1,840 lbs.; natural indigo, 3,414 lbs.; indigoids, 3,187 lbs.; all other colors, dyes, stains, etc., 318,950 lbs., of which 200,817 lbs. came from Germany, 46,697 lbs. from Italy, and 45,866 from Switzerland. Extracts, etc., totaled 315,895 lbs., mainly from Haiti and Mexico.

H. B. Prior Co., chemicals, 17 E. 42d st., New York, has been appointed selling agents in New York State and New Jersey for Naphthalene Products Co., Birmingham, Ala. The Naphthalene Products Co. recently began operations at their new plant, producing refined naphthalene in various forms.

CHINA NOT BUYING AMERICAN DYES?

"The American share in the aniline dye trade of China is nil in comparison with imports from Germany and Switzerland," writes a Shanghai correspondent. "It has been stated that American manufacturers expect to increase their export trade in this special line with China, and that Chinese consumers are anxiously waiting for American dyes. This is wrong. There is no shortage of dyes, in spite of the French invasion of the Ruhr, and no one can trace even the slightest demand in China for dyes made in America. This export business will be understood in time, and especially in aniline dyes technical knowledge of one's own line is essential to intelligent selling.

"There was only one chance to get a footing in the market, and that was during the war. But then, without competitors in the whole Far East, American business houses thought it a better policy to buy the stocks available in China and to transfer them to America, instead of making the dyes and exporting them to China. This chance has been lost, and an equal one will probably never come. It will be a struggle for years, and with what success remains to be seen."

DISCUSS CHEMICAL EXPOSITION PLANS

A meeting of the Chemical Exposition Advisory Committee has been called for Thursday evening, June 28, at Rumford Hall, Chemists' Club, 52 E. Forty-first st., New York, when the following suggestions by the subcommittee will be discussed:

1. An annual exposition beginning in 1924, with an exposition in Chicago every third year.
2. An exposition every eighteen months in New York, beginning March, 1925.
3. An exposition every eighteen months, beginning March, 1925, with the exposition in Chicago every third year.
4. An exposition bi-annually in New York.

Exhibitors who send replies will kindly indicate which plan they favor or would vote for.

Other questions to be decided are whether exhibits of foreign products shall be permitted; shall complimentary tickets to exhibitors be limited, and shall exhibits be classified and segregated in sections.

Charles F. Abbott, Montclair, N. J., was elected president of National Association of Sales Managers, at a recent meeting at Atlantic City. Mr. Abbott was formerly sales manager of National Aniline & Chemical Co. Other officers of the association are: Regional vice presidents—George W. Hopkins, vice president and general sales manager Columbia Graphophone Co., New York; H. D. Whittlesey, vice president and director of sales Sherwin-Williams Co., Cleveland; Martin J. Wolf, general sales manager Bussman Manufacturing Co., St. Louis, Mo., Secretary—C. H. Rohrbach, 50 Church street, New York.

Sulfanthrene Pink FF paste, a vat color hitherto imported from abroad, is now being made for the first time in the United States by E. I. du Pont de Nemours & Co. It is suitable for dyeing washable cotton goods, linen, pure and artificial silk.

M. S. Morton, president Scottish Dyes, Ltd., Grange-mouth and Carlisle, England, specialists in vat and alizarine colors, is stopping at the Hotel Vanderbilt, New York.

R. F. Revson, who formerly represented H. A. Metz & Co., in Philadelphia, is now chemical purchasing agent of the company with headquarters in New York.

The Oil Market

Current Spot Quotations of Oils.

Tallows, Greases, page 1583

MENHADEN OIL HOLDS AT HIGH PRICES

**Catch Small Owing to Labor Shortage—Linseed Oil
Lower—Chinawood Oil Crop Below Normal—Tallow
Advanced—Turpentine Gains Slightly**

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

		Advanced					
Grease, white, $\frac{3}{4}$ c lb.		Tallow, $\frac{3}{4}$ c lb.					
Neatsfoot Oil, 20°, $\frac{1}{4}$ c lb.		Turpentine, 2c gal.					
		Declined					
Chinawood Oil, spot, bbls., 2c lb.		Soya Bean Oil, Tks. Coast, $\frac{1}{4}$ c lb.					
Linseed Oil, 2c gal.		Stearic Acid, s.p., $\frac{1}{4}$ c lb.					
Oleo Oil, No. 1, $\frac{1}{4}$ c lb.		d.p., $\frac{1}{4}$ c lb.					
Red Oil, $\frac{1}{4}$ c lb.		Stearine, $\frac{1}{4}$ c lb.					
		Tallow Oil, Tks., $\frac{1}{4}$ c lb.					
Trend of the Market							
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War	
Cod Oil, N. F. gal.	\$.72	\$.72	\$.72	\$.56	\$1.26	\$.36 $\frac{1}{2}$	
Degras, American, bbl. lb.	.04 $\frac{1}{4}$	.04 $\frac{1}{2}$	.04 $\frac{1}{4}$	.04	.25	.03 $\frac{1}{4}$	
Lard, No. 1. gal.	.91	.91	.91	.80	2.90	.92	
Menhaden, crd. bbls. gal.	.50	.50	.55	.35	1.20	.33	
Neatsfoot, 20 deg. c.t.gal.	1.25	1.25	1.25	1.80	3.45	.95	
Red Oil, distilled. lb.	.009 $\frac{1}{2}$	.10	.10 $\frac{1}{4}$	.08 $\frac{1}{2}$	.17	.07	
Stearic Acid, T.P. lb.	.14 $\frac{1}{4}$	.14 $\frac{1}{4}$	.14 $\frac{1}{4}$	.10 $\frac{1}{2}$	.33	.12	
Coconut, Ceylon							
Dom. bcls. lb.	.10 $\frac{1}{4}$	.10 $\frac{1}{4}$	.10 $\frac{1}{4}$	.08 $\frac{1}{4}$	.90	.14	
Cottonseed, crude, tks. lb.	.10	.10	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.25	.08	
Linseed, carlots gal.	1.12	1.14	1.14	.82	1.88	.87	
Olive, denatured gal.	1.07	1.17	1.17	1.12	4.50	1.05	
Peanut, refined lb.	.16 $\frac{1}{2}$	.16 $\frac{1}{2}$	.16 $\frac{1}{2}$	.13 $\frac{1}{4}$	.30	.08	
Soya Bean, bbls. lb.	.13 $\frac{1}{4}$	.13 $\frac{1}{4}$	.13 $\frac{1}{4}$	.11 $\frac{1}{2}$	.19 $\frac{1}{2}$	.07	
Average .....	.0.497	.0.499	.0.503	.0.470	1.30	.0.363	

Business in fixed oils, tallow and greases continues along the same quiet lines which have characterized the market during the past month. Buyers are running on as small stocks as possible and are only purchasing enough for their immediate requirements. Even products which are attractive in price are going begging, while others are being neglected because of high prices. Sellers of menhaden oil are holding prices firm at high levels, due to scarcity of oil and higher costs of operating. Catches thus far have been small, owing to difficulty in obtaining labor. Chinawood oil is quiet again after a fairly active period of a week's duration. Linseed oil has been moving steadily on contract, while spot and future business has been quiet. Crushers are quoting lower prices for both spot and future. Imported oil has been moving well. Cottonseed oil has been fairly steady on restricted offering of old crop. Animal oils and greases have been quiet but steady. Tallow, white grease and neatsfoot oil are higher. Red oil, oleo oil, and stearic acid are down. Turpentine gained two cents during the week. Rosin is steady.

Vegetable Oils

Castor Oil—Crushers are holding prices steady at 14½¢@15¢lb. for No 1 and 14¢@14½¢lb. for No. 3. Supplies are reported fair in both seed and oil.

Chinawood Oil—Estimates of this year's crop are placed at about 80 per cent of normal, and supplies in the primary centers are small. Some consumers who tried to obtain their requirements have found supplies unobtainable. Demand has quieted down after a fairly active week and prices are lower on spot at 27¢lb. in bbls. June-July forward at China named at 24½¢lb. At the coast, July forward, 23¢lb.

Coconut Oil—Remains unchanged in price with little business passing. Ceylon is offered on spot at 8½¢@8¾¢ lb., and barrels at 10¢@10¼¢ lb.; Cochin in tanks at

9½c@9¼clb.; Manila in tanks, at coast, 8¼clb. Copra is steady at 5¼clb. April arrivals at Manila totaled 170,000 piculs, slight increase over March.

Cottonseed Oil—The market was irregular during this week and opened at slightly lower figures than at the close. Crude remained steady at 10clb. P. S. Y. opened with spot at 11.50; June, 11.50; July, 11.32@11.35; Aug. 11.24@11.30; Sept., 11.05@11.15; Oct., 9.96@10.00; Jan., 8.80@8.85. White, 11¾clb.: winter yellow, 12clb.

Linseed Oil—Crushers are now selling carlots at \$1.12 for spot and June delivery. Contract deliveries are proceeding regularly, while spot and future business is quiet. Imported oil is moving well at \$1.05@1.08. Future business is quoted at \$1.08 for July down to \$1.05 for Sept. Flaxseed prices have been gaining, with July Winnipeg opening this week at \$2.48; Oct., \$2.10; Duluth, cash, \$2.86; July, \$2.86; Sept., \$2.53; Oct., \$2.43½. Buenos Aires, quiet, \$2.00¾. London linseed oil, 45s 6d. Antwerp, 352f.

Olive Oil—Business is along routine lines with prices holding steady at recent levels. Denatured is held at \$1.17@\$.120; edible, \$1.80@\$2.20. Olive oil foots, firm at 8c@8½clb.

Palm Oil—Lagos holding steady at 7½c@8clb., with demand slow; Niger is unchanged at 7⅛c@7¾clb.

Peanut Oil—Offerings continue light, but demand has been inactive. Sellers are holding refined at 16½¢@17¢ lb. and crude at 12¢@12½¢ lb. at mills.

Soya Bean Oil—Prices are nominal with business dull. Crude in tanks at the coast is easier at 10clb.; in tanks on spot at 10½c@18½clb.; bbls., spot, 13clb.

Animal Oils

Greases—White grease has been in better demand and prices have stiffened; now named at 8¾¢@9¢lb.; other grades are unchanged, with yellow at 6¾¢lb.; brown, 6½¢lb.; house, 6¾¢lb.

Neatsfoot Oil—Producers have advanced 20° to 16¼c lb.; demand has been fairly active and stocks are somewhat limited; 30° test held at 15¼c@15½clb.

Oleo Oil—Demand has been slow and supplies have been accumulating steadily. No. 1 is lower at 12c/lb.; No. 2, 11c@11½c/lb.; No. 3, 9½c/lb.

Red Oil—Stocks are quite plentiful, while buyers have been showing little interest. Producers are now quoting on a basis of 9½¢@10¢lb., as to quantity.

Stearic Acid—Single and double pressed are easier with s.p. at 13c@13½clb.; d.p., 13¼c@13¾clb.; triple pressed is moving fairly well at 14½c@15clb.

Tallow—The market has firmed up slightly and producers are making sales at 7¼clb.

Fish Oils

Cod Oil—Supplies are not plentiful but demand has not been active. Sellers are holding to their old basis of 70c gallon in carlots, and 72c in less than cars.

Menhaden Oil—Buyers are showing little interest at present prices, but sellers are maintaining quotations at 48c@50c per gallon at works, Baltimore. Labor is scarce and an advance of 40 per cent in wages has been made. Thus far catches have been small in the Chesapeake. Long Island fishing has started, but results have been poor. Refined oils are steady at 86c@92c per gallon, as to quality.

Sperm Oil—Moving in a routine way at unchanged prices. The 38° grade held at 94c gallon, and the 45° at 99c gallon.

Naval Stores

Turpentine—Business has shown improvement and prices appear to have reached a stable basis. A gain of 2c per gallon is noted, which stimulated buying as buyers are reluctant to enter a declining market. Ex-yard prices at \$1.05 per gallon for spirits; steam distilled, 98c; destructive, 78c.

Rosin—Prices remained unchanged throughout the week. The tone is steady, however, in spite of the lack of buying interest. Any buying movement is expected to send prices upward. B, \$5.80; D-E, \$5.85; F-H, \$5.95; I-M, \$6.00; N, \$6.25; WG, \$6.75; WW, \$7.50.

The textile industry is said to be the largest consumer of industrial soaps. T. E. Waters, Procter & Gamble Co., estimates the consumption at 100,000,000 pounds annually. In the manufacture of silk about thirty pounds of soap are used for 100 pounds of silk produced. The soap is used principally in the "degumming" process, where the gum from the silk worm is separated from the raw silk, and also as a mordant to set the colors in the dyeing process. Woolen mills use hundreds of tons of soap for scouring raw wool, and for "fulling" and finishing.

Pacific coast oil importers have been informed by the Transcontinental Traffic Bureau of a movement on the part of eastern and western transcontinental railways to advance the hauling charges on vegetable oils from Seattle eastward to 91 cents a pound, providing the eastern roads make a corresponding advance on oils moving westward. Too heavy reductions, due to keen competition during the past few years, is stated to be the reason for the proposed increase in rates.

Exports of turpentine from the United States in April, according to Department of Commerce statistics, totaled 516,681 gallons, valued at \$757,367. England was the largest consumer with 218,100 gals.; Canada, 76,140 gals.; Argentina, 72,400 gals.; Germany, 24,650 gals. Rosin exports totaled 90,934 barrels (500 lbs.), valued at \$883,969. England took 19,080 bbls.; Germany, 13,402 bbls.; Brazil, 10,254 bbls.; Java and Madura, 9,340 bbls., and Canada, 6,056 bbls.

Malcolm McKenzie, president of McKenzie & Foster, New York, writes from Shanghai that in China business is difficult on account of political conditions. He says the Chinese, who are always gamblers, are putting up prices on the products of northern China by buying largely with the idea that intervention will eventually take place, with its consequent disruption of business and production.

Linseed oil imports into the United States during March totaled 189,245 lbs., valued at \$17,117, according to Department of Commerce figures, 188,885 of which came from Netherlands. Flaxseed imports for March were 2,431,340 bushels, valued at \$4,810,955. Argentina supplied 2,213,930 bushels, Canada 210,821 bushels, and China 6,589 bushels.

American Linseed Co., Chicago, Ill., will rebuild the portion of its plant recently destroyed by fire. The building will be four-story, 70 x 100 feet, and is estimated to cost \$75,000. R. H. Adams is president.

Henderson Cotton Oil Co., Shreveport, La., will rebuild the portion of its works destroyed by fire, at an estimated cost of \$25,000.

Georgia Cottonseed Crushers' Association met at Tybee, Ga. June 18 and 19.

WESTERN MILLS IMPORTING FLAXSEED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., June 20—Five hundred thousand bushels of Argentine flaxseed have been received by the Minneapolis linseed oil mills during the last few weeks, according to information received by the foreign section of the Bureau of Agricultural Economics. Imported flaxseed has been coming to that market since February. It is estimated that 500,000 bushels are on the way.

Argentine flaxseed received in Minneapolis is purchased c.i.f. New York, and forwarded to Minneapolis by canal, lake, and rail. The Argentine seed is sold on a basis of 96 per cent pure; whereas local terms are on a basis of practically clean seed with net bushels determined after a dockage deduction. On May 28, 1923, Argentine flaxseed was being purchased at \$2.16 c.i.f. New York, and the cost delivered in Minneapolis is determined by that price with 8 cents added to cover the 4 per cent impure seed, plus 40 cents import duty, and freight per bushel by canal, lake, and rail at 20 cents, making a total cost delivered at Minneapolis of \$2.84. This price compares with carlot sales of domestic seed on the Minneapolis market on that date of \$2.93 to \$2.98. Part cars and sack lots of spot seed on the same date sold at \$2.87½ to \$2.93 per bushel. The all-rail freight rate on flaxseed from New York to Minneapolis is 55 cents per cwt., or at the rate of 30.8 cents per bushel.

Total imports of flaxseed into the United States during the calendar year 1922 amounted to 14,913,161 bushels. During the nine months' period from July 1922, up to and including March, 1923, the last month for which figures are available, flaxseed imports amounted to 14,264,461 bushels. Of that amount 12,061,551 bushels were from Canada and the balance from other countries.

AMERICAN COTTON OIL QUILTS CRUSHING

Fourteen crushing mills of American Cotton Oil Co. scattered throughout Southern States, will not be reopened this Fall. The company announced that the mills are to be closed "pending such time as conditions in the cotton industry improved so far as to justify the company in operating." For similar reasons, it is said, the company is closing the oil and fertilizer plants at Gretna, La.

This statement means, according to a representative, that the company will go out of business of producing crude cottonseed oil, and will confine its activities, for the present at least, to the refining of cottonseed oil, and to the distribution and sale of this product. At one time the company operated twenty-three crushing plants throughout the South.

Cottonseed crushing during the ten month period, August 1 to May 31, totalled 3,193,524 tons, compared with 2,962,849 for the same period a year ago, and on hand at mills May 31 was 23,098 tons compared with 23,380 a year ago, says the Census Bureau. Cottonseed products manufactured in the ten month period and on hand May 31, included: Crude oil produced, 982,756,658 pounds, compared with 916,025,098, and on hand 24,195,802 pounds, compared with 23,703,854.

During the first three months of 1923 the imports of lac from India to the United States totaled approximately 96,000 chests of 164 pounds each. Exports to the end of April are expected to bring this figure up to 125,000 chests, which, for the four months, will represent about one-half the normal annual shipments to the United States.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 1572

FURTHER SHARP RISE IN MENTHOL

Drive Abroad to Force Price Over \$8.00 C.I.F. Reported—Citric Spot Lower Than Shipment—Cod Liver Oil Easier Abroad—Makers of Hydroquinone All Up to \$1.25

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Menthol, \$1.00 lb.	
Declined	
Acid Tartaric, Imp., 3/4 lb.	Dynamite, 3/4 lb.
Glycerin, C.P., 3/4 lb.	Potassium Permanganate, 1 1/2 lb.

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$.32	\$.32	\$.32	\$.30	\$2.00	\$.20
Acid Citric, Import .....	.52	.52	.52	.44 1/2	1.25	.45
Caffeine Alkaloid	3.75	3.75	3.75	3.75	18.00	3.65
Calomel, American	1.25	1.25	1.25	.94	3.43	.90
Camphor, Jap., ref. ....	.88	.88	.87	.78	3.55	.41
Jodine, Resublimed	4.85	4.55	4.65	4.20	5.00	3.75
Menthol	9.90	7.75	7.75	5.50	13.50	3.00
Potassium Bromide, Cryst. ....	.26	.26	.26	.23	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.47	.47	.47	.32	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	.76	2.05	.50
Average	2.35	2.19	1.93	1.61	5.92	1.56

A stationary market, both as to the movement of goods as well as prices, characterized the medicinal chemical situation during the past week. However, the movement of prices, where there is any movement at all, is more downward than upward. While demand has not displayed any noticeable expansion, an increase in routine absorption for immediate requirements for consumers, has been shown during the past fortnight. Numerous items are selling below cost, and a number of directions state that very little buying will be necessary to bring values back to a more profitable basis. Spot holders of menthol have thrice advanced their prices during the week. Glycerin is weaker. Spot mercury lower than at mines. Potash permanganate stocks heavy. Warm weather has increased consumption of citric acid.

Acetanilid—Quoted at 32c@35clb spot for U. S. P. in barrels, as to manufacturer.

Acid Acetylsalicylic—Makers unchanged at 95c@\$1.05 lb. spot, as to seller, and resales are being freely offered at 90c@95clb. spot. Demand has been light during the past two weeks.

Acid Citric—Imported generally quoted at 52c@53clb. spot for U. S. P. crystals, with some small lots available at 51 1/2clb. spot. Demand has picked up lately, and the importation of 500 casks at New York last week will in all probability go directly into consumption. Import cost is well over 52clb. European market is competing with America for this article. Domestic makers quoting 49clb. spot to regular customers.

Acid Diethylbarbituric—Imported quoted generally at \$4.45@\$4.50lb. spot.

Acid Salicylic—Makers quoting 40c@50clb. spot, as to seller. Some directions report that business was quiet during the week, while others state that sales are being made in large way. A resale lot of 1,000 pounds U. S. P. was offered last week at 45clb. spot.

Acid Tartaric—Has eased off slightly and now quoted at 35 3/4c@36 1/4clb. spot for U. S. P. crystals. Demand is light at the moment. During past week 200

casks and 40 kegs were received at New York. Spot stocks are in larger supply.

Alcohol—All grades steady, and business reported good. U. S. P. 190 pf. quoted at \$4.75@\$4.80gal. spot. Completely denatured No. 1 quoted at 38c@40cgal. for drums, and 35c@37cgal. for special denatured No. 1 in drums. Methanol, 95 per cent, unchanged at \$1.12@\$1.16gal. spot.

Amidopyrine—Quoted at \$5.50@\$6.00lb. spot, with tendency for firm prices. The market still feels the effect of the recent large importation.

Antipyrine—Quoted at \$3.00@\$3.25lb. spot, with some quarters asking the maximum figure as inside.

Bromides—Imported prices holding firm, but demand on spot for the moment is not heavy. Recent cables from London state weaker market there. Imported ammonium quoted at 19c@20clb. spot, potassium at 18c@19clb. spot, and sodium at 21clb. spot. Domestic goods unchanged at 33cclb. for ammonium, 26clb. for potassium, and 25clb. for U. S. P. spot sodium.

Cod Liver Oil—Recent cables quote Norwegian oil at \$23.50 barrel c.i.f. New York. Spot unchanged at \$25.00@\$26.00 barrel. The catch of whole Norway up to May 28 is as follows: For 1923, 46,300,000 cod, 79,145 hl. steam oil, and 16,716 hl. livers, compared with 46,700,000 cod, 77,769 hl. steam oil, and 14,712 hl. livers for 1922.

Cream Tartar—Unchanged and firm at 25c@25 1/2clb. spot for imported. Spot stocks are said to be light owing to greater consumption in Italy and less goods coming out of Germany.

Formaldehyde—In good demand at 15clb. for U. S. P. in barrels at works. Small resale lots offered at 14 1/2clb. spot, bbls. A patent has been taken out in London to produce formaldehyde by conducting the mixed vapors of water and methylene chloride at a raised temperature over porous bodies, such as clay or wood charcoal.

Glycerin—C. P. has declined and now quoted at 16 1/2c@17clb. spot owing to weakening demand. Stocks are said to be piling up and buyers are few. Dynamite has also declined and now quoted at 15clb. spot. During past week 10 cars were sold at 15 1/2clb., and 12 cars at 15clb. Reports from West indicate weaker market.

Hexamethylenetetramine—Imported material easy at 75c@80clb. spot, as to quantity. Stocks are ample at the moment. Domestic quoted at 93clb. spot, with tendency to shade this figure slightly.

Hydroquinone—All makers are now at same level, namely, \$1.25@\$1.35lb. spot, as to quantity. Competition keen.

Menthol—Price has been advanced three separate times during past week, and now quoted at \$9.50lb. spot, with possibility of even higher figures, according to trade. There are about 1,600 cases available to supply the remaining needs of the buyers. Spot stocks are thought to be low, as well as supplies in London and Paris. One factor thinks that this year will see \$5.00lb. menthol, while another one thinks the market will reach about \$10.50lb. and stay there for the remainder of the year. All supplies appear to be well controlled.

Mercury—Spot position easy at \$68.00@\$68.50 flask. With the possibility of any appreciable amount of buying

taking place, the price will advance, as foreign quotations are higher than spot. London quoted recently £10 10s, and Italy at 1,050 lire per flask, not at mines. The last-named quotation means about \$67.80 flask laid down in New York. Last week saw 306 flasks imported at New York.

Podophyllin—Has declined and now quoted at \$4.75@ \$5.50lb. spot, owing to weakening demand.

Potassium Permanganate—Has declined and now quoted at 17c@17½c lb. spot, with tendency for lower figures. This figure is thought to be about 3c lb. below import cost. Some factors are holding for 19½c@21c lb. spot. There are several buyers in market at 16c lb. spot, unable to fill. A seller was reported at this price, but up to a late hour he could not be located. Import cost is generally quoted at 16½c lb. c.i.f., making a laid down cost in New York of 20½c lb. This item is being consistently underquoted, both as to spot market and to shipment, according to reports in the trade. During past week 52 drums were received at New York.

PREDICT \$5.00 MENTHOL BY FALL

Present Boom Said to Be Artificial and Based on Drive by Japan to Force Price Over \$8.00 C.I.F.—On Other Hand, London and Paris Reported Bare With U. S. Short for Fall

Menthol is predicted to sell for \$5.00 per pound spot before the 1923 crop comes on the market, according to a leading importer here. Buying has been exceptional for this time of the year, and within the past three weeks, the price has advanced from \$7.75 per pound spot to the high of this present movement, \$9.50 per pound. Stocks of about 2,000 cases are said to be held back by strong hands in Japan in order to advance prices above \$8.00 per pound c.i.f., which is the price reported to have been paid for these 2,000 cases. Statistically, menthol should not be more than \$5.00 per pound, according to trade reports. The present price of \$9.50 per pound is due to manipulation by interests in Japan, who have been aided by consumers in this country, who have been in the market for larger lots than usual.

On the other hand additional reports state that the present high price is the natural result of high costs coupled with good demand and scant supplies. Of the 2,000 cases, there will be about 1,600 cases available for consumption this year, the balance will be kept as a carry-over for next year. This amount will have to supply the world as London and Paris are said to be nearly bare. United States uses about 3,000 cases per year, and bullish factors state that this amount has not as yet been purchased. In their opinion, demand will be sufficient to absorb all available stocks, and they do not see how the price can go to \$5.00 per pound. One importer stated that the market will reach \$10.50 per pound and remain there until the new crop of peppermint is harvested in Japan and the menthol extracted.

The total value of exports of medicinal and pharmaceutical preparations in April, 1923, exceeded April, 1922, by 22 per cent, growing from \$1,372,072 to \$1,674,041; those of quinine sulfate and other salts of cinchona more than doubled, but antitoxins, serums, and vaccines declined from \$28,948 to \$26,220.

Total cod liver oil catch up to May 19 was 43,500,000 cod, 75,979 hl. steam oil, and 16,366 hl. livers, against 43,100,000 cod, 72,470 hl. steam oil, and 13,744 hl. livers in 1922, according to Aarsaether Brothers, Aalesund, Norway, who are represented in this country by P. R. Dreyer, New York.

BOOTLEGGERS IN CHEMICAL AND DRUG BUSINESS WILL BE REFUSED PERMITS

Commissioner Blair to Have Co-operation of the Alcohol Trade Advisory Committee in Exposing Firms Who Mask Their Real Purpose in Guise of Wholesale Druggist or Manufacturer of Extracts

Drug and chemical manufacturers, representing investments of more than a billion dollars, have formed the Alcohol Trade Advisory Committee and will co-operate with the Commissioner of Internal Revenue in eliminating bootlegging from the industry, according to an announcement by the American Chemical Society.



W. A. SAILER

William A. Sailer, of Baltimore, president of American Drug Manufacturers' Association, has been chosen chairman, and Dr. Harrison E. Howe, of Washington, representing the American Chemical Society, secretary. Other members of the committee are William J. Schieffelin, New York, representing National Wholesale Druggists' Association; Martin

H. Ittner, Jersey City, American Manufacturers of Toilet Articles; Frank A. Blair, New York, president Proprietary Association; R. H. Bond, Baltimore, Flavoring Extract Manufacturers' Association; Milton C. Whitaker, New York, president U. S. Industrial Chemical Co.; Charles L. Reese, Wilmington, president Manufacturing Chemists' Association; R. M. Kane, Indianapolis, manufacturing pharmacist; Samuel C. Henry, Chicago, National Association of Retail Druggists; Prof. J. H. Beal, University of Illinois, representing both the American Pharmaceutical Association and faculties of pharmaceutical colleges.

Appointments to the committee were made by the Commissioner of Internal Revenue, D. H. Blair. Actively sharing in the organization plans are R. A. Haynes, Prohibition Commissioner; Judge James J. Britt, counsel of the Prohibition Unit, and James M. Doran, chemist of the Bureau of Internal Revenue.

"Since the enactment of the National Prohibition Act, governmental conditions surrounding the manufacture, distribution, sale and use of alcohol for industrial purposes have become so increasingly onerous as seriously to handicap the chemical industry," said Secretary Howe. "An elaborate system of public information will be built up by the committee for the guidance of the Prohibition Commissioner, and thus effective control of permits will be accomplished. The committee aims to aid in driving from commerce the bootlegger who masks his real purpose under the guise of a wholesale druggist or a manufacturer of flavoring extracts. By posing in this way he is able to obtain permits to sell straight alcohol to the drug trade and to physicians.

"The bootlegger in the chemical industries can undersell the legitimate manufacturer and more than make up this loss by illegal trade. The committee plans to make it easier for the legitimate manufacturer to secure the supplies he needs. Under the present situation this task is difficult. The work of the committee is, therefore, twofold: First, to end bootlegging in industry; and, second, to promote the lawful use of alcohol in industry."

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 1587

ROMAN CHAMOMILES UP ON SCARCITY

Advanced in Two Weeks From \$1.20lb. to \$1.75lb. Inside—New Crop Caraway Higher—Buchu Offered Cheaper for Shipment—Cloves Advanced Again—Insect Powder Demand Improved—Otherwise Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
 Arabic Gum, Amber Sorts, ½ lb. Dandelion Root, 1c lb.
 Balsam, Tolu, 10c lb. Elm Bark, Powd., 2c lb.
 Chamomile Flrs., Roman, 25c lb. Wild Cherry Bk., Thin Nat., ½c lb.
 Cloves, Zanzibar, 1½c lb. Aniseed, Spanish, ½c lb.

Declined
 Caraway Seed, Dutch, 1c lb.
 Insect Powder, 2c lb.
 Saffron Flrs., Spanish, \$1.00 lb.

Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Aconite Root, U.S.P.....	\$.38	\$.38	\$.35	\$.21	\$.90	\$.12
Buchu Leaves, Short.....	.95	.95	1.00	.95	4.00	.85
Cantharides, Russian.....	1.75	1.75	1.75	5.00	9.00	2.10
Cocculus Indicus.....	.03½	.03½	.03½	.04½	.85	.03
Ergot, Spanish.....	.52	.52	.52	1.05	4.50	.54
Insect Powder, pure.....	.65	.67	.67	.52	1.00	.28
Ipecac, Cartagena, powd....	1.90	1.90	1.95	1.85	4.50	1.35
Nux Vomica.....	.06½	.06½	.06½	.06	1.4½	.07
Opium, gum.....	8.00	8.00	7.00	6.00	30.00	5.00
Rhubarb Root, H. D.....	.43	.43	.40	.55	1.75	.15
Tragacanth, No. 1, ribbon..	1.52	1.52	1.55	1.80	6.00	1.50
Wild Cherry Bk., thin nat..	.10½	.10	.10	.09	.21	.07
Average	1.35	1.36	1.35	1.51	5.28	1.00

Although purchasing during the past week has shown no remarkable increase, small routine orders predominating, the materially higher shipment costs combined with a realization on the part of some dealers here that spot stocks are short in the case of a number of items, has tended to keep prices steady, and give the market more or less a healthy appearance. Numerous small reductions are the result of shading in competition and the apparent willingness of dealers to do business on a smaller margin. The reductions are not over a wide area nor in products of outstanding importance just at the moment. Scarcities are becoming quite common here, and in a few instances, acute. Roman chamomiles are up sharply on scarcity. Cloves have advanced again. Insect powder is easier in spite of better demand. Spanish saffron is weaker.

Aconite Root—Unchanged and steady at 38c@40clb. spot.

Agar Agar—No. 1 quoted in fair supply at \$1.50lb. spot. One factor in the trade is of the opinion that this item is entirely too high, and statistically it should be selling for about 80@90clb. The grades are very close in regard to prices as the qualities are not far removed from No. 1. Second quality quoted at \$1.40lb. spot. Shipment named at \$1.20lb. for No. 1.

Aletris Root—Quoted in good supply at 55c@57clb. spot.

Aloes—Barbadoes unchanged at 65c@70clb. as to quantity. Cape is being offered at 9c@10clb. spot. Curacao held at 8c@8½clb. spot.

Aniseed—Star quoted on spot at 14c@15clb., and easier for shipment at 13½c@14½clb. Spanish had eased off slightly at 26½c@27½clb. spot.

Arabic Gum—All cheap lots of amber sorts have been absorbed, and best inside price is now 14½c@15clb. spot. Powdered, U.S.P., quoted at 22c@23clb. with some directions asking as high as 25clb.

Arrowroot—St. Vincent in good supply at 14c@15clb. spot with tendency for lower figures, as trade appears to be about supplied.

Balsams—Canadian Fir scarce and firm at \$13.00@ \$14.00 gal. spot. Oregon Fir tightly held at \$3.40@ \$3.50 gal. spot. Tolu has advanced and now quoted at \$1.15@ \$1.25lb. spot. London is quoting 4s 6d per pound. Peru unchanged at \$1.75@ \$1.80lb. spot.

Bayberry Wax—Supplies are plentiful at 32c@35clb. spot.

Buchu Leaves—Shipment from Capetown is easier at 3s 3d, compared with 3s 6d per pound as of three weeks ago. Spot goods in slightly better supply at 95c@ \$1.00lb. for bales and \$1.05@ \$1.10lb. for less. Stocks are reported to be moving in small way only.

Calisaya Bark—Has advanced and now quoted at 19c@22clb. as to holder.

Caraway Seed—Dutch quoted easier on spot at 25c @26clb., and shipment of new crop is being offered higher owing to unfavorable weather conditions.

Cascara Sagrada—Unchanged at 14c and 15clb. for 1922 and 1921 peel, respectively. Sales while uneven have averaged well. The labor problem on the coast is still a factor in keeping the price up on spot.

Chamomile Flowers—Roman has advanced sharply and now quoted inside at \$1.75lb. spot. Stocks are scarce and about the only supplies on spot are held by one dealer, and he reports that they are being consumed at rapid rate. Hungarian has declined and now quoted at 14c@14½clb. spot. Roman is also scarce in London, and sales have been reported at \$1.38lb.

Cinchona Bark—Quills unchanged at 55c@60clb. spot. Broken is in good demand at 24c@26clb. spot with possibility of higher prices owing to high import costs.

Cloves—Zanzibar has advanced and now quoted at 28c@28½clb. spot. Demand has broadened out, and amount of good grade of spice on spot is limited.

Cohosh Root—Blue remains scarce and stocks are well controlled at 18c@19clb. spot. Black firm at 9c @9½clb. spot.

Cubeb Berries—Inquiry was improved slightly. XX quoted 82c@85clb. spot.

Dandelion Root—Prices are holding well in view of near arrival of new crops at 14c@16clb. spot with houses quoting the maximum as inside.

Dragon's Blood—Reeds unchanged at \$1.40@ \$1.45lb. spot. London reports good reed is unobtainable owing to purchases for export.

Ergot—Spot stocks are said to be firming up, though unchanged at 52c@55clb. Replacement costs are considered higher than spot prices.

Ginger—All grades are tending to show a little stability after the heavy arrivals of last month. Jamaica quoted at 35c@40clb. as to quality Cochin, ABC, at 15c@15½clb. spot.

Insect Powder—Has declined and now quoted at 65c @68clb. spot as to quantity and seller. Demand has increased during present warm spell, but stocks are sufficient to meet them. During past week 20 cases were received at New York.

Japan Wax—Has advanced and now quoted at 17c

@18clb. spot owing to higher import costs, which are said to be 16clb. laid down in New York.

Lavender Flowers—Ordinary has eased off and now quoted at 22c@23clb. spot, and selected quoted at 30c@33clb. spot.

Mullein Flowers—Has advanced and best inside price quoted at \$1.75lb. spot with most stocks concentrated into one hand.

Rhubarb—Firm and unchanged at 43c@45clb. spot for whole and 48c@50clb. spot for powdered. Spot stocks are small and well held.

Sarsaparilla Root—Honduras quoted at 61c@65clb. spot. London naming 3s per lb. as inside for grey Jamaica. Mexican quoted firm at 33c@36clb. spot. During past week 20 cases of Mexican were entered at New York.

Senega Root—Easy at 64clb. spot with possibility of shading this figure. London reports a market of 3s 3d per lb.

Vanilla Beans—Mexican whole beans quoted at \$8.50 @ \$11.00lb. spot. and cuts at \$6.00@ \$6.50lb. spot. Some factors appear to discount the reports that most of the beans are "sold to arrive". They further state that consumers are not rushing to buy beans. Bourbons quoted at \$4.50@ \$4.75lb. spot. Tahiti beans are reported practically off the market.

N. W. D. A. PLANS COMPLETED

Romaine Pierson, chairman Committee on Rates and Routes for the meeting of National Wholesale Drug-gists Association, at Cleveland, Oct. 8 to 12, announces that the official party will leave New York City by way of New York Central, Saturday, Oct. 6, at 5:30 p.m. Eastern standard time. The rates will be: One way railroad fare New York to Cleveland \$21.75; Pullman fare: Lower berth, New York to Cleveland \$5.63; upper berth, \$4.50; compartment, \$15.75; drawing room, \$21.

Special cars will be available from Boston, Philadelphia, Baltimore, Washington, Richmond, Chicago, and St. Louis. The committee comprises: Romaine Pierson, Chairman, 93 Nassau Street, New York, N. Y.; Ralph C. Jennings, New York; R. R. Patch, Boston; Walter V. Smith, Philadelphia; Chas. E. Matthews, Chicago; Fred W. Sultan, St. Louis; Frank M. Bell, Chicago; Charles J. Lynn, Indianapolis; Lucien E. Lyons, New Orleans; J. J. Durr, Montgomery, Ala.; Harry Skillman, Detroit; Albert Kronkosky, San Antonio, Tex.; C. F. Michaels, San Francisco; Robin H. Davis, Denver; H. D. Bell, Albany, Ga.

Washington Wholesale Drug Exchange, Washington, D. C., celebrated its twenty-fifth anniversary, last week, with a banquet at Raleigh Hotel, Washington. Paul Pearson was re-elected president for the seven-teenth year. H. C. Easterday, secretary; Robert N. Harper, treasurer, and Wymond H. Bradbury, manager, have served for twenty-five years. The speakers included Lee Williamson, president Calvert Co., Baltimore, and Mr. Harper, president District National Bank, Washington. W. H. Bradbury, manager, received a gold watch from the members.

John Jay Schieffelin, son of William Jay Schieffelin, Schieffelin & Co., was married on June 16, at Pittsburgh, to Miss Eleanor C. Beggs.

E. M. de Greeff, of R. W. Greeff & Co. Ltd., London, is in New York on a visit to the American branch of the firm. He is stopping at the Hotel Plaza.

C. P. FRAILEY SUCCEEDS A. HOMER SMITH

Elected Secretary of American Drug Manufacturers' Association—Smith Goes to Sharp & Dohme

Carson P. Frailey, Philadelphia, has been elected secretary of American Drug Manufacturers' Association, succeeding A. Homer Smith, who resigned to join the forces of Sharp & Dohme. Baltimore. Mr. Frailey, who entered upon his new duties June 11, is well equipped to carry on the work of the association, having spent practically his entire life in the drug business. He was born in Emmitsburg, Maryland, and educated in the public schools of Frederick County. Mr. Frailey, upon graduation from the Emmitsburg High School, entered the University of Maryland, Baltimore, and was graduated in 1908 with the degree of Doctor of Pharmacy.



C. P. FRAILEY

Mr. Frailey is a registered pharmacist in several states, including the State of Maryland, where he received the special award for general excellence at the State Pharmacy Board examination. After serving several years in the retail drug business, Mr. Frailey became associated with Armour & Co. in 1912, as representative of the pepsin department in Washington, D. C., and made a special study of Endocrine production. He entered the service of H. K. Mulford Co. in 1914 as representative in Washington, D. C., and in 1920 became sales manager, western division, with headquarters at Philadelphia, where he remained until he assumed the duties of his present position.

SALESMEN TO SAIL ON SATURDAY

After a sail down New York Bay and on to Long Branch, N. J., this coming Saturday morning, the members and friends of the Chemical Salesmen's Association have been promised an unusually novel entertainment as a climax for their annual frolic. Although the committee refuses to make public the details, it is reported that a six-round bout between the present and a former leader of the New York Chapter will be staged. Both have admitted that they expect to win within two rounds. A series of special contests for members has been planned, including a hammer throwing event for salesmanagers.

Saturday, June 23, promptly at 9:45 a. m., from the foot of West 42d st., or 10:10 a. m., from the foot of Cedar st., New York, aboard the boat of the N. J. Central R. R., is the time and place. A half hundred members of the Salesmen's Association have already designated their intention of going. A. J. Binder, Sherwin-Williams Co., chairman of the committee, urges all others to make reservations immediately. The chicken-lobster dinner will be free to members. All are required to buy tickets direct to Morris ave., Long Branch, N. J.

Pyrethrum flower crop in Japan for 1923 will amount to 2,260 short tons, according to estimated reports, of which about 800 tons are required for domestic consumption, leaving about 1,460 tons for export.

The Essential Oil Market

Current Spot Quotations of Essentials Oils, page 1589, Aromatic Chemicals, page 1590

OIL ORANGE ADVANCED SHARPLY

Some Quarters Quote \$3.75lb. as Inside for Italian—Oil Cloves Up Again—Heavy Imports of Oil Lemon—Oil Peppermint Easier—New Maker of Coumarin Reported—Seasonal Goods in Demand

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Oil Cloves, 10c lb.
Oil Limes, Distilled, 5c lb.
Oil Orange, Italian, 10c lb.
Declined
Terpineol, Imp., 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.60	\$2.60	\$2.50	\$4.25	\$7.00	\$5.00
Oil Citronella, Geylon.....	.70	.70	.70	.56	.92	.60
Oil Cloves	1.85	1.80	1.70	1.95	3.70	1.40
Oil Lemon Italian .....	.77	.77	.75	.75	1.70	2.00
Oil Peppermint, Nat.....	2.65	2.65	2.65	1.85	9.00	2.25
Oil Sandalwood, E. I.....	7.75	7.75	7.85	7.10	13.00	5.25
Oil Sassafras, Artif. ....	.45	.45	.45	.45	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin	4.50	4.50	4.50	3.00	31.00	3.10
Methyl Salicylate, Cans...	.57	.57	.57	.35	1.00	.90
Vanillin .....	.41	.40	.40	.50	.95	.29
Average	2.13	2.13	2.13	2.07	6.83	2.05

A quiet market with little change has been indicated. A strengthening here, a weakening there, have been noted in a situation which is not exciting a great deal of interest. The basic firmness of the essential oil position is maintained in spite of shading which the appearance of firm business still induces. Buying does not have to be heavy in order to make prices firm up rapidly, owing to the comparatively small spot stocks and the general high prices being quoted in primary markets. The group values as a whole are quite stable with the moving element confined to a few items. Sellers seem slow to realize that no greater bulk of goods has been sold at cut prices, in many instances below actual cost of import or production, than has been sold by maintaining quotations at a normal level.

Essential Oils

Oil Almond—U.S.P. is unchanged and in good supply at \$3.75@4.00lb. spot, and sans prussic acid at \$3.75@4.00lb. spot.

Oil Anise—Supplies are coming forward from China without any difficulty. Spot position easy at 45c@50c/lb. for technical, and 52½c@55c/lb. spot for U.S.P. During past week 50 cases and 16 drums were entered at New York.

Oil Bay—Spot stocks are said to be not over plentiful. Quoted at \$2.50@2.60lb. spot.

Oil Bergamot—Spot position has become easy due to fair sized stocks carried here, and also to recent cables which show slightly lower c.i.f. quotations. London reports an easier market. Spot quoted at \$2.00@2.70lb. for coppers. Last week saw 50 cases entered at New York.

Oils Bois de Rose—Unchanged though firm at \$2.50@2.65lb. spot with tendency for higher figures.

Oil Camphor—Japanese white unchanged at 13c@15c lb. spot drums. Heavy at 11½c@12c/lb. in drums. London quoting 85s per cwt, for good white.

Oil Caraway—Quoted at \$7.25@7.50lb. spot with

tendency to be scarce and firm. Supplies are said to be about sufficient to take care of trade until new goods come on the market, which will be in August-September. During past week 5 cases were received at New York.

Oil Cardamom—Unchanged and firm at \$20.00@22.00 lb. spot.

Oil Cassia—The arrival of 60 cases and 8 drums last week from China relieves the spot situation somewhat, providing they are not all sold to arrive. Quoted firm and scarce at \$3.00@3.10lb. spot for redistilled and \$2.20@2.35lb. spot for technical. Reports are heard that supplies from the source are exhausted.

Oil Cedar Leaf—Quoted in better supply at \$1.10@1.20lb. spot.

Oil Citronella—Offerings are being absorbed about as fast as they are made. Spot position remains firm as well as replacement costs. Sales, while not made in large lots, have been small and numerous. During past week 37 drums Ceylon were received at New York. Java is firm on spot at 85c@87½c/lb. Last week saw 6 drums entered at New York.

Oil Cloves—Has again advanced and now quoted at \$1.90@2.00 for U.S.P. in cans owing to firm spice position. The demand on spices has been heavy of late, and it appears that all stocks are low. London reports good demand for this article.

Oil Coriander—Quoted easy at \$19.00@20.00lb. spot.

Oil Eucalyptus—U.S.P. quoted in good supply at 47½c@50c/lb. spot. London reports very little oil with 70-75 cineol content on spot. Drums quoted at 45½c/lb. spot.

Oil Geranium—Bourbon quoted unchanged at \$6.50@7.00lb. spot. African at \$8.00@8.50lb. spot.

Oil Lemon—Italian quoted in good supply at 77½c@90c/lb. spot as to holder. Recent cables have showed a slight tendency to weaken. Stocks are already well supplied, and with the arrival at New York of 800 cases last week, it is thought in the trade that the market might break, providing these goods have not been sold to arrive. American quoted at 75c@80c/lb. spot.

Oil Limes—Distilled quoted at 80c@90c/lb. spot as to seller. Expressed at \$1.70@1.80lb. spot.

Oil Orange—Italian has advanced sharply and now quoted at \$3.35@3.75lb. spot with some houses holding to the maximum as the inside. Much higher prices are looked for in the trade as demand is very good and replacement costs high. Cables were received recently quoting a landed New York price of \$4.25lb. Some directions report that the expensive Italian oil is being substituted by use of cheaper orange oils. During past week 36 cases of Italian and 160 cases of West Indian were entered at New York.

Oil Peppermint—Unchanged and easy at \$2.65@2.80 lb. spot for natural and \$2.90@3.05lb. spot for redistilled.

Oil Sandalwood—Quoted at \$7.75lb. spot. During past week 80 cases were entered at New York.

Oil Wormseed—Scarce and firm at \$7.00@7.50lb. spot. Reports are heard of an essential oil house commencing operations in the country in order to stabilize the market. The trade is of the opinion that the difference between cost of \$2.00lb. and the country price of

\$7.00lb. is too large, and will welcome another factor who might reduce the price of the oil.

Aromatic Chemicals

Benzaldehyde—Firm and unchanged at \$1.50lb. for U.S.P., and \$1.75lb. spot for FFC.

Coumarin—Quoted unchanged and in good demand at \$4.50@4.75lb. spot, and resales in limited way at \$4.35lb. spot. Reports are heard that there will be another maker in the field in the near future.

Methyl Salicylate—Makers price unchanged at 55c@60clb. spot drums as to seller. Business in some quarters is reported quiet.

SICILIAN ESSENCES FLUCTUATE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, June 9—A decline in the value of the lira, making the United States dollar worth lire 22.10, and the English pound sterling lire 97.50, encouraged exporters of essential oils to advance prices, although business was dull. The following table shows fluctuations in prices per Sicilian pound during May:

	May 1 Lire	May 15 Lire	May 30 Lire
Lemon juice	7.00—7.60	6.50—7.00	7.20—7.80
Sweet orange ..30.	—32.	30. —32.	32. —38.
Bitter orange ..22.	—25.	22. —25.	22. —25.
Mandarin .....55.	—65.	55. —65.	68. —80.
Bergamot oil ..32.	—33.	30. —32.	30. —34.

The price of old and new lemon juice remained unchanged until about the tenth of May, falling after that for a week or ten days and rising again at the end of the month. Sweet orange oil remained unchanged until the 30th, when quotations were advanced. Bergamot oil was the only product that declined steadily.

PEPPERMINT OIL OUTPUT DECLINES

Japanese peppermint oil production for the last eleven years was as follows:

	Kin		Kin
1912	530,000	1918	180,000
1913	750,000	1919	240,000
1914	890,000	1920	430,000
1915	890,000	1921	420,000
1916	1,270,000	1922	600,000
1917	900,000		

The enormous drop in production from 900,000 kin in 1917 to 180,000 kin in 1918 is due to peppermint acreage giving way to a more profitable crop at the moment, beans. The amount of menthol estimated from the 1922 crop is 5,000 cases.

The Supreme Court of the District of Columbia has been asked for a mandamus by Morana, Inc., against Secretary Mellon of the Treasury Department to compel him to accept a tax of 45 per cent ad valorem on an importation of vanillin, purchased by the company in Paris. The department seeks to collect 60 per cent tariff, the court is advised.

Perfumed toilet soap, assessed at 40c per pound and 60 per cent ad valorem under Paragraph 48 of the Tariff Act of 1913, should have been assessed at the rate of 30 per cent ad valorem under Paragraph 66, according to the Board of United States General Appraisers, sustaining a protest of Park & Tilford.

O. A. Brown, president of O. A. Brown & Co., New York essential oil importers, sailed from Havre for New York aboard the Paris on June 16 following a two months trip through Europe.

ESSENTIAL OILS ADVANCE IN ITALY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, June 9—An advance in the price of all essential oils has taken place in this market. The extent of this rise is shown in the following table:

	May 7 Lire	May 21 Lire	May 28 Lire
Sweet orange	115—119	125—130	140—148
Bitter orange	100—105	105—110	120—125
Bergamot oil	118—123	120—125	120—125
Lemon juice	30—31	29—31	31—33
Mandarin	195—220	195—225	195—225

Quotations for some other essential oils were as follows per kilo:—Angelica root, lire 985; angelica seeds, lire 900; anis, lire 40; arnica flowers, lire 3,000; absynth, lire 252; Roman chamomiles, lire 2,480; Ceylon cinnamon, lire 350; African geranium, lire 400; sandalwood, lire 400; lemongrass, lire 60; pressed Calabrian lime juice, lire 60; Piedmontese peppermint, lire 180; Italian rose, lire 4,000; French rosemary, lire 26; Italian rosemary, lire 25,25; mustard seed, lire 300; ylang ylang lire 500.

Deterpenized essential oils are quoted as follows per kilo: Bitter orange, lire 3,600; sweet orange, lire 3,750; bergamot oil, lire 350; cedar oil, lire 550; lemongrass, lire 100; lime juice, lire 610; lemon juice, 410; mandarin, lire 7,500; peppermint, lire 330.

During 1922 Italy imported 602 kilos of orange oil, lemon juice, and mandarin oil; 31,694 kilos of anis, citronella, eucalyptus, cedar wood, lemongrass, linaloe and thyme essential oils; 896 kilos oil of cloves; 3,143 kilos mint oil; 70 kilos rose oil; 10,987 kilos other essential oils; 5,077 kilos deterpenized oils; 24 kilos terpenes of essential oils; 38,417 kilos of synthetic perfumes and constituents of essential oils.

CHINESE PREFER FOREIGN PERFUMES

Alfred Kroeger, of the chemical department of Carlowitz & Co., Shanghai, China, who has had several years' experience in China and the Dutch East Indies, writes to DRUG AND CHEMICAL MARKETS that essential oils are distributed mainly by the dispensaries. Although there are a number of factories making perfumes and soaps, the average manufacturer is unable to make use of the raw materials in the way the foreign perfumer handles them. New firms can enter the market only by cutting prices, however, because British and German brands have become established. Mr. Kroeger says:

"The large field of perfumes is divided between American and French houses. French houses have obtained a first-class reputation, and sometimes high prices are paid for articles which would not command half the price if imported from another country. Highly perfumed toilet waters, face creams, face powders, and tooth pastes are especially popular, and the prospects of this trade are very good for development, for foreign material is always preferred to the home-made. The cheaper sorts, nicely gotten up, sell quickly, and it is very hard for home manufacturers to compete with foreign goods, placed on the market at very attractive prices."

Fritzsch Brothers, essential oils, New York, have secured a 100-acre tract of land in Maryland which they intend to use for the production of wormseed. The company intends to produce its own oil wormseed and eventually make itself independent of small growers in Maryland, and also undertake to stabilize the market for this product.

The Foreign Markets

Imports of Drugs and Chemicals, page 1591

BALSAMS FIRMER IN LONDON

General Trade For May Best Since 1921—Demand Continues Good—Red Prussiate of Potash and Bulgarian Attar of Rose Firmer—Bromides, Saffron, Oil Bergamot, Carbohc Acid Easier

(Special Cable to DRUG & CHEMICAL MARKETS)

London, June 20—Trading in crude drugs and fine chemicals during May was the best since 1921. The improvement is continuing this month and no signs of lessening demand are apparent up to this time.

The market is firmer for balsam tolu, Peru balsam, red prussiate of potash, and Bulgarian attar of rose.

Prices are easier for bromides, saffron, oil bergamot, hypophosphites and carbohc acid.

London, June 9 (by mail)—Export trade has been more active, but the home market remains slow. Cod liver oil is cabled 5 per cent dearer from Norway. The total production for the whole season now closely approximates last year's figures. Mint oil comes over dearer from Japan. Santonin supplies from Russia have not reached here, and, the market being bare of stock, buyers are restricted to resale lots at £85 per kilo.

Japanese supplies of arsenic are expected, but they are passing into consumers' hands and will not affect the market. Cornish white powder is selling at £70 to £75 per ton.

Salicylates—The recent reductions in price reported from New York have been without effect here, owing to our import duty. One of the leading manufacturers quotes: Acid salicylic, B. P., at 2s 1d per lb.; sodium salicylate, pulv. B. P., 2s 6d per lb.; sodium salicylate, cryst. B. P., 2s 9d per lb.; methyl salicylate. B. P., 2s 5d per lb.

SMALL DYE PLANTS STARTED IN GERMANY

The incorporation of fourteen dye plants in Germany, recently, is attributed to the idleness of the largest color works in the dye cartel owing to occupation of the Ruhr. The new companies have not joined the dye cartel and it is not believed that they will survive when the big plants start again. Among the companies are: Caesar & Loretz Co., Halle, capitalized at 9,000,000 marks, Chemische Fabrik, Dolbergen, with 10,000,000 marks, Chemische Fabrik Marienfelde, Berlin with 22,000,000 marks, Ferdinand Klein Co., Frankfurt, with 40,000,000 marks, and Weill & Eichert Co., Ludwigsburg, with 12,000,000 marks.

The Interessengemeinschaft, which has been concluded between Upper Silesian Coke Works and Chemical Factory Schering, Berlin, for thirty years is a vertical merger. The coke works are producing coal tar distillates, and Schering is taking care of refining and manufacture of pharmaceuticals. The contract provides for pooling of profits and equality of dividends. A special board of five Upper Silesian coke and four Schering representatives is to decide any points of difference arising over the management of the Gemeinschaft. The Coke Works are increasing the share capital from 100 to 275 million marks.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling).....	\$4.886	\$4.611
France (franc) .....	.193	.063
Italy (lira) .....	.193	.046
Germany (mark) per hundred.....	23.80	.0009
Czechoslovakia (crown) per hundred.....	20.30	.029
Poland (mark) per hundred.....	23.80	.001
Japan (yen) .....	.499	.490
Spain (peseta) .....	.193	.145
Holland (guilder) .....	.402	.391
Belgium (franc) .....	.193	.053
Switzerland (franc) .....	.193	.179
Sweden (crown) .....	.268	.265
Denmark (crown) .....	.268	.179
Argentina (peso) .....	.424	.360
Brazil (milreis) .....	.279	.105
China (Silver dollar—Hongkong).....	.789	.536
(Tael—Shanghai, silver)	1.082	.727
(Tael—Peking, silver)	1.156	.757

CHEMICALS SOLD BY U. S. TO NETHERLANDS

The value of chemicals imported by the Netherlands from the United States, including turpentine and phosphate which are the principal imports, is shown in a table prepared by Consul General George E. Anderson, Rotterdam, as follows:

Items	1921	1922	Items	1921	1922
Chilean nitrate ..	\$105,916	\$86,640	Various chemical products	\$206,895	\$389,880
Phosphate	793,121	858,040	Dyes and colors ..	161,125	88,160
Caustic and other soda	47,996	96,900	Turpentine	573,369	714,020

Of calcium acetate imports in 1922, 2,376 tons came from the United States, which country also supplied 1,170 tons of caustic soda. Germany supplied 262 tons of perfumery in the same year, 146 tons having come from France, 56 tons from Great Britain, and 41 tons from the United States. Germany was also the principal supplier of calcium carbide, while Belgium furnished most of the sulfuric acid and Greece was the principal source of magnesia imports.

GERMANY USING MORE ACETIC ACID

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., June 20—Germany had nineteen acetic acid plants in her spirits customs district monopoly in the fiscal year 1921 according to a report by Assistant Trade Commissioner Daugherty. Twelve of these plants, the report states, produced dutiable acetic acid. The product was derived from acetate salts in the majority of plants.

The increase in consumption in 1921, against 1920, the report says, amounted to 16 per cent for consumption and 64 per cent denatured for industry. The reason of the increase in consumption, says the report, is because acetic acid is used more and more in family kitchens and preserving plants in place of other preservatives.

German potash companies, including Salzdettfurth, Aschersleben, and Westeredeln, report that the amount of potash marketed in 1922 was 12,955,433 double centners, compared with 11,103,694 in 1913, the previous record year, and with 9,211,814 in 1921. (A centner is slightly more than 110 pounds.) Foreign buyers took 25.6 per cent of last year's production, against 16.6 per cent in 1921 and 45.6 per cent in 1913. The American market is reported as particularly favorable. Potash prices at the end of December last were 800 times those obtained before the war.

Leather Chemicals

ROUTINE INQUIRY FOR CHEMICALS REPORTED FROM TANNING CENTERS

Price Tendency of Most Chemicals and Oils Continues Downward—Demand Stagnant—Importers Cut in Competition—Little Confidence in Future of Prices

That the leather industry has little confidence in the future of prices for chemicals, oils, and allied products used in tanning operations, is evidenced by the close buying and refusal to purchase ahead. Of course, the fact that the majority of chemical prices which are moving, show a downward tendency, has much to do in shaking confidence in the market. Demand at the present moment is almost stagnant. Accumulations of imported chemical products and need for money on the part of a number of smaller importers, has brought out some very attractive prices and considerable shading where a real order comes to the front. The strongest prices to-day are the alkalies and heavy acids, where American makers control the situation and continue to deliver regularly to all consuming trades in good bulk.

Acid, Formic—Imported acid is moving along fairly steady lines with prices remaining at 12c@14c lb. as to grade and quantity. Very little domestic material is being produced owing to lower priced imported acid.

Acid, Lactic—Prices are holding steady at recent levels while demand is more or less routine; 22 per cent light named at 4½c@5c lb.; dark, 5½c@6c lb.; 44% dark, 9¼c@10c lb.; light, 11½c@12c lb.; 66%, 16c lb.

Acid, Sulfuric—Demand has fallen off somewhat but there is still a good volume of business being done on spot while contract withdrawals are steady. Supplies are increasing slowly but no large surplus exists. Prices are holding up with 66° in tanks named at \$15.00@16.00 ton at works; carboys at \$1.25@1.50; 60° unchanged at \$9.00@10.00 in tanks; Oleum is in limited supply at \$19.00@20.00 ton in tanks.

Epsom Salt—Makers are moving their production steadily and have very small stocks on hand. Quotations are unchanged with U.S.P. in carlots of barrels at \$2.25@2.50; imported is named at \$1.90@2.00 in bbls.

Extracts—Have been quiet but prices are unchanged; Myrobalans are quoted at \$27@33 ton. Hemlock bark, \$20 ton; Quebracho, 35%, 3¼c@4c lb.; 65%, 5c@6c lb.; Sumac is scarce at \$76@80 ton; liquid, 7c@9c lb. Logwood is free at 7½c@12c lb.

Formaldehyde—In good demand at 15c lb. for U.S.P. in barrels at works. Small lots resales offered at 14½c lb. spot, bbls. A patent has been taken out in London to produce formaldehyde by conducting the mixed vapors of water and methylene chloride at a raised temperature over porous bodies, such as clay or wood charcoal.

Arsenic—The red is firm at 15½c@16c lb. with supplies not very plentiful.

Lime—Buying is along quiet lines with prices steady at \$9.50 ton at kilns.

Potassium Bichromate—Demand has dropped off slightly but prices remain firm at 11¼c@11½c lb. Production is still handicapped by lack of labor.

Soda Ash—Makers are now quoting ash on a flat basis, \$1.33 per 100 lbs. for light in bulk, 58% Na₂O; bags, \$1.45@1.50; bbls., \$1.69. Dense, 58%, \$1.51 in bags and \$1.75 in bbls. Demand is steady and makers report plants operating at near capacity.

Soda Caustic—The new selling basis names solid in drums at \$3.16 per 100 lbs. at works, for 76% Na₂O, on contract. Other forms are also on a flat basis. Spot prices range from \$3.30@3.70 as to brand and quantity. Export demand is quiet while domestic business is fair on spot. Makers are enjoying a steady volume of business.

Sodium Bichromate—A falling off in demand has been noted during the past few weeks. Makers continue to quote prices at 8½c@8¾c lb. at works. Spot goods at 8¾c lb. Supplies are none too plentiful in the market.

Sodium Sulfide—Consumption has been holding up well. Crystals are in limited supply with imported being held at 2¾c lb.; domestic named at 2½c@2¾c lb.

Sodium Bisulfite—Prices are holding steady at 3½c@3¾c lb. for crystals. Buyers have become more conservative and are only buying for their immediate requirements.

Oils

Cod Oil—Supplies are somewhat limited and holders are selling carlots of barrels at 70c gallon. Demand has not been very active.

Menhaden Oil—Catches have been small this season owing to a labor scarcity. Sellers are holding prices of crude at 48c@50c per gallon in tanks at Baltimore. Refined oils are firm at recent levels at 86c@92c per gallon.

Neatsfoot Oil—Producers have raised the prices on 20° cold test and are now at 16¾c lb.; 30° test steady at 15¾c lb.

Red Oil—Makers have reduced their prices to 9½c@10c lb. Supplies are quite plentiful and demand slow.

LEATHER CHEMISTS HOLD 20th MEETING

The twentieth annual meeting of American Leather Chemists Association was held at White Sulphur Springs, W. Va., June 7 to 9. Among the speakers were President Fraser M. Moffat of the Tanners' Council; Dr. H. E. Howe, American Chemical Society; Prof. M. H. Fischer, University of Cincinnati; Jerome Alexander; Prof. George D. McLaughlin, Tanners' Council; Prof. Allen Rogers, Pratt Institute; and others. Numerous papers were heard, mostly dealing with industrial research problems and findings.

Crescent Tanning Co., Woburn, Mass., will rebuild the portion of its plant recently destroyed by fire with loss of about \$150,000, including machinery.

OTHER TANNING AND LEATHER MATERIALS

For reports on chemicals, oils, tanning extracts, and other raw materials for the leather industries not reported on this page, see the general market reports on the thirteen preceding pages. For the current market quotations on chemicals and allied products, with specifications and packing, see price list beginning on fifth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

Paper Chemicals

CHEMICAL STOCKS OF PAPER MILLS REPORTED REDUCED BY ACTIVITY

Little Buying of Chemicals and Steady Consumption Has Cut Into Reserves—Still Buy Cautiously As Prices Continue Downward—Imported Items Weak

Although reports coming in from various paper mills indicate that their stocks of chemicals, fillers, and finishing materials have been greatly reduced by recent continued activity right into the warm weather, they show little willingness to expand their purchases beyond immediate requirements. This is not unusual in the face of a steady downward trend to chemical prices generally. Predictions of further declines this summer have also shaken their faith in future prices and made them very cautious. Some local chemical houses report a steady spot demand for immediate delivery on mill activity. This is particularly true among the Ohio mills of the Miami River valley which are sold up six weeks ahead and running at full capacity. Weakness in the chemicals is more particularly noted among the imported items that those of domestic origin.

Acid, Sulfuric—Demand has fallen off somewhat but there is still a good volume of business being done on spot while contract withdrawals are steady. Supplies are increasing slowly but no large surplus exists. Prices are holding up with 66° in tanks named at \$15.00 @ \$16.00 ton at works; carboys at \$1.25 @ \$1.50; 60° unchanged at \$9.00 @ \$10.00 in tanks; Oleum is in limited supply at \$19.00 @ \$20.00 ton in tanks.

Alums—All grades are quiet with prices of imported material easier in some directions. Domestic ammonia in lumps named at \$3.50 @ \$3.60; potash alum held at 3c @ 3¼c lb. on spot; chrome steady at 5½c @ 5¾c lb.

Aluminum Sulfate—Makers are holding prices steady at \$2.50 for the iron-free. Some imported material is offered at lower prices but demand is inactive; commercial is quoted at \$1.40 @ \$1.50 in carlots.

Blanc Fixe—Little change in the situation with pulp moving quietly at \$40.00 @ \$50.00 per ton and the dry at \$70.00 @ \$80.00 ton.

Bleaching Powder—Demand continues quiet while stocks are being lowered in consumers hands. Prices are easier in some directions at \$1.80 @ \$1.85 at works.

Casein—Prices have again eased off and are now down to 16½c @ 18c lb as to quantity. Demand has been quiet and supplies are quite plentiful.

Chlorine—Consumers are showing more interest in this item and makers are kept busy meeting the requirements. Tanks and carlots of ton cylinders are steady at 5¼c @ 5¾c lb; small cylinders are quoted at 6c @ 7c lb.; in small lots on spot, 9c lb.

China Clay—Buyers are showing little interest and only a perceptible movement is noticeable at present. Prices are at variance as to grade and quantity and range from \$12.00 @ \$25.00 ton.

Rosins—Stocks are not very heavy but buying has been lacking. Any demand is expected to send prices up over \$6.00 for the lower grades. Quotations range from \$5.80 for B grade to \$7.50 for WW.

Satin White—Consumers are only taking enough for their immediate requirements and the movement is quiet. Prices are steady at 1½c @ 2c lb.

Salt Cake—Supplies are not large but with demand

gradually falling off an accumulation of stocks is slowly taking place. Prices are still around \$25.00 @ \$26.00 ton.

Sodium Silicate—Makers are having no difficulty in supplying requirements at present. Demand has not been up to that of recent weeks. Drums of 40° are quoted at \$1.30 @ \$1.40 on spot while tanks are named at 75c at works; 60° at \$1.70 @ \$1.90.

Sulfur—Crude is steady at \$14 @ \$15 ton at mines and \$19.00 ton f.o.b. New York in carlots. Demand is along steady lines.

Talc—French is in fair demand with prices ranging from \$25 @ \$32 ton; Italian holding firm at \$35 @ \$42 ton as to quality; American, \$12 @ \$20 ton.

NEW CONTAINER ASSOCIATION FORMED

National Container Association is the name of a new organization formed by the amalgamation of Container Club and National Association of Corrugated and Fiber Box Manufacturers. The new body, which is said to comprise in its membership about 80 per cent of manufacturers of corrugated and fiber products, was organized at a meeting held at the Drake Hotel, Chicago. F. J. Kress, of F. J. Kress Box Co., Pittsburgh, was elected president, and John L. Barchard, of Hummel & Downing, Milwaukee, vice-president. Mr. Kress was president of the National Association of Corrugated and Fiber Box Manufacturers.

Forest Industries Club is being formed by New Yorkers interested in paper making. A luncheon and housewarming was held recently at the club rooms in Pershing Square Building, Park ave. and 42d st. The members were addressed by Dr. Hugh P. Baker, secretary American Paper and Pulp Association, and M. W. Randall, vice-president Air Reduction Co.

Federal Paper Co. has been incorporated in Illinois with authorized capital of \$11,250,000, and will take over the assets of Gumbinski Brothers Co., Kalamazoo, Mich., and Chicago. The company will build a 300-ton paper mill, 31st st., and California ave., Chicago.

Roesch Paper Co., Tampa, Fla., will build new three-story works on South Florida ave., 100 x 150 feet. It is proposed to install machinery and equipment to double the present output. Henry Roesch is president.

Oregon Pulp & Paper Co., Salem, Ore., will call for bids for a two-story addition to its plant. The proposed structure will be 128 x 225 feet, and is estimated to cost \$110,000, including equipment installation.

OTHER PULP AND PAPER MATERIALS

For reports on chemicals, bleaches, fillers, and other raw materials for the pulp and paper industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on fourth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

Rubber Chemicals

RUBBER CHEMICALS SELL CHEAPER BUT CONSUMERS HOLD OFF BUYING

Price Tendency Continues Toward Lower Levels—Chemical Demand From Tire Makers Depends on Speeding Up Automobile Sales—General Supplies of Chemicals in Akron Reported Small

Although practically the whole chemical list shows a tendency to slide off slowly, but steadily, the lower figures induce very little buying by the rubber mills. Of course, the downward price trend is causing buyers to hold off, each believing that next week or next month will be a better time to cover. Many items are cheaper to-day than they have been any time this year. If the sale of automobiles continues active, it is believed that the now slowed-down operations in tires will have to be speeded up over the balance of the year. Advices from Akron, O., state that stocks of chemicals there are greatly reduced as a result of close buying. The reduction in tire prices by several big makers has tended to unsettle general conditions and cut down purchases of all raw materials by the industry. Any renewed activity in rubber will mean enforced purchase of chemicals owing to small supplies on hand, it is believed.

Acid, Acetic—Buying is still along active lines and makers are operating in some cases at capacity. All grades are moving well. Prices are holding steady at recent levels with 28 per cent at \$3.38@3.63 in bbls.; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.03.

Acetone—Spot stocks are light with C.P. named at 25c@25½c/lb. spot. Methyl at its increased price, 90c@95c/lb., is being disposed of along steady lines.

Aluminum Flakes—Stocks remain sufficient to take care of demand at \$30.00 ton.

Aniline Oil—Spot stocks appeared ample with resales named at 16c/lb. spot. Reports are heard that makers would not hesitate to shade price of 16c/lb. at works. Demand is generally conceded to be routine.

Antimony Sulfuret—Makers continue to make good sales, and quote 43c@52c/lb. spot for crimson, and 20c@25c/lb. spot for golden.

Asbestine—No change was noticed over last week. While business in this item has been good for some time past, the demand at present has slowed up somewhat. Best quality quoted at \$18.00@20.00 ton at works.

Benzol—The large outlet for this item has not materialized, especially export demand. Foreign buyers are not in the market, or else they are buying in some other countries. With such large stocks accumulated, it is quite probable that lower prices will be seen. Pure quoted at 27c@30c/gal., and 90 per cent, 25c@27c/gal. at works.

Blanc Fixe—Demand has been good, and makers report no accumulation of stocks to depress the market. Quoted at 4c@4½c/lb., and pulp at \$40@50 ton.

Cadmium Sulfide—Unchanged at \$1.40@1.50/lb. spot.

China Clay—Demand has dropped off due to consumers having satisfied their needs. Imported quoted at \$23.50@25.00 ton spot, and domestic at \$15.00@18.00 ton f.o.b. production points.

Carbon Black—Makers still continue to add contract orders to their already long list. Spot market is not over plentiful. There is some new process carbon black

being offered on the market. Spot quoted at 20c@22c/lb., and contracts at 15c@17c/lb. f.o.b. works.

Diphenylguanidine—Spot supplies unchanged at \$1.15 @ \$1.20/lb., as to quality, single deliveries.

Hexamethylene—Imported material easy at 75c@80c/lb. spot as to quantity. Stocks are ample at the moment. Domestic quoted at 93c/lb. spot with tendency to shade this figure slightly.

Iron Oxide—Unchanged at 3½c@14c/lb. as to quality and quantity.

Lithopone—Demand is reported quite fair for this time of the year, which is anything but brisk. Quoted at 7c@7½c/lb. as to quantity at works.

Solvent Naphtha—Demand has gone ahead of production, with the natural result of firmer prices. Now quoted firm at 37c@42c/gal. on contract, and 34c@37c/gal. for crude.

Starch—Domestic corn starches have advanced and now quoted at \$3.12@3.39 per cwt. for powdered. Domestic potato unchanged at 4½c@5c/lb. spot, and imported at 6¼c@7c/lb. spot.

Talc—Market is unchanged at \$15@18 ton f.o.b. at points of production for domestic; French, \$20; high grade, French \$40; and Italian \$47@58.

Whiting—Demand is good for this season of the year. Quoted at \$1.00 per cwt. for commercial; gilders' bolted \$1.10; extra \$1.15; American Paris white, \$1.15; and English cliffstone, \$1.50.

R. & H. TO SELL BAKELITE PHENOL

Phenol manufactured by the Bakelite Corp., at their plant nearing completion near Cleveland, O., will be sold by the Roessler & Hasslacher Chemical Co., New York, according to an announcement from the latter as follows: "It is with pleasure we announce that the plant of the Bakelite Corporation is nearing completion and by the last of summer or early fall we hope to be in position to offer this article to the trade as the sales agents for the above company. We are confident our price will prove of interest to consumers and caution is therefore suggested to see that stocks that are being purchased at present prices are kept as low as possible. We anticipate making a further announcement in the not distant future." Roessler & Hasslacher also announce: "We have been appointed sole selling agents for the Niagara Smelting Company of Niagara Falls, New York. We are in position to make prompt shipment from stocks as well as tank car shipments direct from the works. We solicit your inquiries."

OTHER COMPOUNDING INGREDIENTS

For reports on chemicals, solvents, fillers, vulcanizing compounds, colors, and other raw materials for the rubber industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on third page toward the back of the book. Prices are for goods f.o.b. New York or works prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.



ELLIS JACKSON & COMPANY

18 NO. FRONT STREET

PHILADELPHIA

Foreign Department

29 BROADWAY, NEW YORK

**GLASS, SOAP, PAPERMAKERS,
TEXTILE and FERTILIZER SUPPLIES**

Textile Chemicals

TEXTILE MILLS CURTAIL PRODUCTION; SPOT BUYING OF CHEMICALS QUIET

Southern Mills Fairly Active—Starches and Dextrines Higher—Bleaching Powder Tending to Lower Levels—Zinc Dust Continues Decline—New Alkali Method of Quoting Prices

Owing to curtailment of production in New England mills, textile chemicals have been in little demand during the past few weeks. Consumers are inclined to operate on their present stocks and are taking on supplies only as actually required. Prices have been showing a tendency to become easier, but even at more attractive figures buyers are showing little interest. Basic chemicals such as caustic soda and soda ash are holding their own both in demand and in stability of prices. Prominent makers have altered their method of quoting prices and hereafter these commodities will be quoted on a flat basis of 76 per cent Na_2O for caustic soda and 56 per cent Na_2O for soda ash instead of the old method of 60 per cent and 48 per cent. This brings caustic soda in drums to \$3.16 per 100lbs. on contracts and ash to \$1.45 in bags. Bleaching powder is somewhat unsettled as to price owing to a slackened demand during the summer months. Recent strength in corn has resulted in advances in starches and dextrines of 15c per 100lbs. Zinc dust is lower owing to easier price of the metal. Egg albumen continues strong and scarce.

Acid, Acetic—Buying is still along active lines and makers are operating in some cases at capacity. All grades are moving well. Prices are holding steady at recent levels with 28 per cent at \$3.38@3.63 in bbls.; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.03.

Acid, Muriatic—Makers report a steady demand from all industries which is keeping their plants busy. Prices are steady and firm at \$1.00@1.10 for 20° in tanks and \$1.25@1.50 in carboys; 22°, \$1.75@2.00.

Acid, Oxalic—Makers have reduced their prices and are now quoting 13c@13½c. as to quantity at works. Spot prices are also lower at 13c@13½c. Imported named at 13c@13½c. Demand is less active and competition keen.

Acid, Sulfuric—Contract business is reported steady and spot buying is up to normal. Quoted at \$15@16 ton for 66° in tanks at works; carboys, \$1.25@1.75; oleum in small supply at \$18@20 ton in tanks and \$1.25@1.75 in drums.

Alums—All grades are quiet with prices of imported material easier in some directions. Domestic ammonia in lumps named at \$3.50@3.60; potash alum held at 3c@3¼c. on spot; chrome steady at 5½c@5¾c.

Bleaching Powder—The situation is unsettled with demand for bleach less active during warm weather and buyers and sellers adjusting conditions to suit the season. Prices are quoted mainly at \$1.90 at works and \$2.50@2.60 on spot.

Epsom Salts—Demand regular and stocks ample. Quoted at \$2.00@2.15 for technical, and \$2.25@2.50 for U. S. P. in bbls.; imported named at \$1.90@2.00.

Glauber's Salts—Domestic firm and none too plentiful. Quoted at \$1.30@1.40 in carlots of barrels for technical; U. S. P. named at \$1.40@1.75 as to quantity.

Potash, Caustic—Business is barely moving in im-

ported goods, while domestic is fairly steady. Imported prices are down to 7½c@7¾c. and this is about as low as sellers can afford to do business. Import costs are at 7¾c. Domestic material at 9c@9½c.

Soda Ash—Makers are now quoting ash on a flat basis, \$1.33 per 100lbs. for light in bulk, 58 per cent, Na_2O ; bags, \$1.45@1.50; bbls., \$1.69. Dense, 58 per cent, \$1.51 in bags, and \$1.75 in bbls. Demand is steady and makers report plants operating at near capacity.

Soda Caustic—The new selling basis names solid in drums at \$3.16 per 100lbs. at works for 76 per cent Na_2O on contract. Other forms are also on a flat basis. Spot prices range from \$3.30@3.70 as to brand and quantity. Export demand is quiet while domestic business is fair on spot. Makers are enjoying a steady volume of business.

Sodium Acetate—Domestic unchanged at 5¼c. and imported at 5½c.

Zinc Dust—Has declined again and now quoted at 8c. for carlots of kegs, and smaller quantities up to 10c.

Castor Oil—Quoted easy at 14½c @ 15c. spot for No. 1, and 14c@14½c. for No. 3.

Olive Oil—Unchanged at \$1.17@1.20 gal. spot for denatured.

Starches and Dextrines

Corn dextrines, starches and British gum have been advanced 15c per 100lbs. Reports of an advance brought buyers into the market and some large sales have been put through to southern textile mills. New prices bring British gum up to \$4.24@4.34; white corn dextrine, \$3.79@3.89; yellow, \$3.84; potato unchanged at 7c@8c., and tapioca, 9c. Powdered starch up to \$3.22 in carlots; pearl, \$3.12; potato, 4½c@5c. Tapioca flour, high grade, 6c@6¼c.; medium, 5c@5½c.; low, 4¼c@4¾c. Albumen is strong at \$1.10@1.13 for technical.

Announcement that the Amoskeag Manufacturing Co. would close all its mills for two weeks beginning June 29 calls attention to the movement among cotton goods producers to curtail production owing to competition with southern mills. Rumors of consolidations are becoming more insistent, and it is probable that mills firmly entrenched so far as working capital and merchandising methods are concerned, will absorb the weaker companies. Competition of Southern Cotton Mills has caused many Fall River Mills to curtail production.

OTHER TEXTILE MATERIALS

For reports on chemicals, oils, fillers, finishing compounds, bleaches, and other raw materials for the textile industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on next page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilograms
1 Kilogram	—2.20 Pounds


Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID, tech. 150 lb bbls. D			.37	.38
100 lb kgs. ....			.38	.30
USP 200 lb bbls. ....			.32	.35
Second Hands. ....			.32	.35
Acetic Anhydride, 85% 480 lb drs. D			...	.38
85%, 107 lb chys. ....			...	.38
92-95% 100 lb chys. ....			.43	.45
Acetone, CP 700 lb drs. c/l wks. D			...	.25
700 lb drs. c/l wks. ....			...	.25 1/4
350 lb drs. c/l wks. ....			...	.25 1/4
Second Hands, spot. ....			.30	.32
Acetone Oils, light, bbls, wks. gal			1.00	1.05
Heavy, bbls., wks.			1.00	1.05
Acetophenone, CP 1 lb bot.			4.00	4.25
Acetophenetidin, 150 lb bbls. D			1.85	1.95
Acetyl Chloride, 100 lb chys. D			.40	.41
ACID, 1, 2, 4, 250 lb bbls. D			...	1.30
Acetic, 28%, 400 lb bbls. c/l			...	...
wks. ....			...	3.38
28%, c/l wks. ....			...	3.63
58%, c/l wks. ....			...	6.75
58%, c/l wks. ....			...	7.00
70%, bbls. c/l wks. ....			...	8.38
70%, c/l wks. ....			...	8.63
80% coml. bbls. c/l wks. ....			...	9.58
80% coml. c/l wks. ....			...	9.83
80% pure bbls. c/l wks. ....			...	11.41
80%, pure c/l wks. ....			...	11.60
Glacial, bbls. c/l wks. ....			...	12.78
Glacial, c/l wks. ....			...	13.03
(Racial, USP cby wks. ....			...	13.53
Acetylacetic, 250 lb bbls. D			.95	1.05
Second Hands. ....			.90	.95
Anthranilic, ton lots drs. ....			...	.96
95-98%, 100 lb drs.			1.00	1.10
99-100%, 100 lb drs. ....			...	1.20
Benzoic, tech. 100 lb bbls. D			...	.75
Tech. ton lots bbls. ....			...	.70
USP, 100 lb bbls. D			.72	.77
Boric, crys. powd. 250 lb bbls. D			.11 1/2	.12
Kgs, 100 lb ....			...	1.55
Bromine's, 250 lb bbls. D			...	1.55
Butyric, 60% pure 5 lb bot. D			.50	.60
Camphoric, USP VIII 1 lb bot. D			5.50	5.60
Carbolic, USP crys. see also Phenol			...	...
110 lb tins. ....			...	.57
25 lb tins. ....			...	.59
5 lb tins or bot. ....			.61	.62
1 lb bot. ....			...	.66
Caustic, USP, 1 lb bot. ....			...	.65
ACID, Carbolic—(Continued)			...	...
Crude, 25% 50 gal. bbls. gal			.35	.36
10%, 50 gal. bbls. gal			.30	.32
Chloracetic			...	...
mono 100 lb bbls. wks. ....			...	.30
DI, 150 lb chys wks. ....			...	1.00
Tri, 425 lb bbls. wks. ....			...	2.45
Chlorosulfonic, 1500 lb drs. D			...	...
wks. ....			.15	.16
Chromic, USP 200 lb drums. D			...	.40
85% Pure, 200 lb drums. ....			...	.35
Chromotropic, 300 lb bbls. D			...	1.25
Chrysophanic, see Chrysarobin			...	...
Cinnamic, 5 lb cans.			3.00	3.25
CITRIC, USP crys 230 lb bbls. D			...	.49
Powd., USP 200 lb bbls. D			...	.50
Imported, crys. 112 lb kgs. D			.52	.53
Single kgs. ....			.53	.54
Cleves, 250 lb bbls.			1.00	1.10
Crocylic, 95% dark dr. resale. gal			...	...
97-99% straw, drs. wks. gal			...	...
97-99% pale, drs. Imp. gal			1.15	1.25
97-99% decolor. drs. wks. gal			...	...
Diethylbarbituric, 10 lb lots			...	...
1 lb bot.			8.50	10.50
Formic, 75% tech. 100 lb chys. D			.11	.12
90%, 75 lb chys. incl. ....			.12	.14
Gallie, USP 150 lb bbls. ....			.70	.75
Gamma, 225 lb bbls, wks.			1.80	1.90
bbls., ton lots wks.			1.70	1.80
Glycerophosphoric, 25% 1 lb b. D			1.65	1.70
H, 225 lb bbls. single. ....			...	.85
Bbls. ton lots wks. ....			...	.80
Hydrolic, 10% USP 5 lb bot. D			.65	.70
Hydrobromic, 48% coml. 155 lb			...	...
chys. wks. ....			.35	.40
48% coml. 10 chys. wks. ....			...	.40
40% USP 155 lb chys. wks. ....			.45	.46
10% USP 100 lb chys. wks. ....			.11	.13
Hydrochloric, see also Acid Muriatic			...	...
CP, USP, 110 lb chys. ....			.09	.11
HYDROFLUORIC, 30% 400 lb bbls.			...	...
wks. ....			...	.07
30% bbls. c/l wks. ....			...	.06
30% 100 lb chys. wks. ....			...	.07
48% single 100 lb chys. wks. ....			...	.11
48% 10 chys. wks. ....			...	.10
52% 100 lb chys. wks. ....			...	.12
52% 10 chys. wks. ....			...	.11
Acid, hydrofluoric—(continued)			...	...
60% 100 lb chys. wks. ....			...	.14
60% 300 lb dr. wks. ....			...	.13
White Acid, 100 lb chys. wks. D			...	.26
White Acid, 10 chys. wks. D			...	.25
Hydrofluosilicic, 35% 450 lb bbls.			...	...
wks. ....			.10	.13
Hypophosphorous, USP 30% 5			...	...
gal. demis. ....			...	.95
USP, 10% 5 gal. demis. ....			...	.35
LACTIC, 22% dark 500 lb bbls. D			.04 1/2	.05
22% light, bbls. ....			.05 1/2	.06
44% dark, bbls. ....			.09 1/2	.10
44% light, bbls. ....			.11 1/2	.12
66% bbls. ....			...	.16
USP IX 100 lb chys. ....			.60	.70
USP VIII 100 lb chys. ....			...	.55
Laurent's, 250 lb bbls. ....			...	.90
Metanilic, 250 lb bbls. ....			.60	.65
Mixed, sulfuric-nitric			...	...
Drums, wks. ....			.07%	.08
Drums, wks. ....			.01	.01 1/4
Tank cars, wks. ....			.07%	.08
Tank cars, wks. ....			.009	.01
Molybdic, 85% pure 1 lb bot. D			1.75	1.85
85% pure, 100 lb kgs. ....			...	1.30
Monosulfonic F, Delta. 50 lb			...	...
tins. ....			...	2.30
MURIATIC, 30% chys. 1e/l			...	...
wks.			1.40	1.50
Chys. c/l wks.			1.25	1.50
Tank cars, wks.			1.60	1.10
18%, 120 lb chys. ....			...	1.10
c/l wks.			1.00	1.10
Tank cars, wks. ....			.90	1.00
22%, 120 lb chys. ....			...	2.00
c/l wks.			1.75	2.00
Iron, free, 20% chys.			...	...
c/l wks. ....			...	1.55
Tank cars, wks.			net ton 20.00	25.00
Muriatic, CP & USP, see Acid Hydrochloric			...	...
Naphthionic, tech. 250 lb bbls. D			...	.62
Refined, single bbls. ....			...	.65
Nertle & Winter's, 250 lb			...	...
bbls. ....			...	1.35

<p>Photographic</p> <p>Iodized Negative Stripping</p>	<p>COOPER'S</p> <h1 style="margin: 0;">Collodion</h1>	<p>Medicinal</p> <p>U. S. P. Plain U. S. P. Iodized</p>
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PHOSPHORIC ACID—All Grades

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135 WILLIAM STREET NEW YORK CITY

Chemicals

ACID, NITRIC, 36° 135B

Chy. wks.100B	4.75	: 5.00
Chys. c/l wks. ....100B	4.50	: 4.75
38° single chy. wks. ....100B	5.50	: 5.75
Chys., c/l wks. ....100B	5.25	: 5.50
42° Single chy. wks. ....100B	6.00	: 6.50
Chys., c/l wks. ....100B	5.75	: 6.00
44° Single chy. wks. ....100B	6.75	: 7.50
Chys. c/l wks. ....100B	6.50	: 7.00
C. P. chy. single wks. ....100B	.14	: .16
Oxalic, 325B bbls. wks. ....B	.13	: .13½
Bbls., NY ....B	.13½	: .13½
Keps., 100B NY ....B	..	: .14
Imp., 560B casks. ....B	.13	: .13½
Phenylacetic, 1B bot. ....B	3.00	: 4.00
Phosphoric, 50% tech. 100B		
chy. ....B	.08	: .09
USP, 85% syrup, 70B		
demis. ....B	..	: .18
Phthalic, see Phthalic Anhydride		
Pieramic, 300B bbls. ....B	..	: .65
Pieric, 450B bbls. ....B	..	: .30
Bbls. car lots wks. ....B	.20	: .25
Pyrogallic, crys. 5B cans. ....B	..	: 1.20
Resublimed, 5B cans. ....B	1.55	: 1.60
Tech. powd., 200B bbls. ....B	..	: .80
Salicylic, tech. 125B bbls. ....B	.38	: .43
USP, 100B bbls. ....B	.40	: .50
Second Hands. ....B	..	: .45
Sulfanilic, 250B bbls. ....B	.17	: .20

SULFURIC, 66° 180B chy.

lc/l wks. ....100B	1.50	: 1.75
Chys., c/l wks. ....100B	1.25	: 1.50
1500B Drums, lc/l		
wks. ....100B	..	: 1.25
Drums, c/l wks. ....100B	..	: 1.10
Tank cars, wks. ....net ton	15.00	: 17.00
60° 1500B Drums,		
lc/l wks. ....100B	.70	: .90
Drums, c/l wks. ....100B	.60	: .80

Acid Sulfuric

Tank cars, wks. ....net ton	9.00	: 11.00
C. P. 175B chy. ....100B	.09	: .11
Oleum, 20 p.c. 1500B drums,		
lc/l wks. ....100B	1.50	: 1.75
Drums, c/l wks. ....100B	1.25	: 1.50
Tank cars, wks. ....net ton	18.00	: 20.00
Contract cars, wks. ....ton	..	: 18.00
Oleum, 40% drs lc/l wks. net ton	..	: 40.00
Oleum, 60% drs., lc/l wks. net ton	..	: 70.00
Sulfurous, USP 6% 100B chy. B	.05	: .06
4% 100B chy. ....B	.04	: .05
USP, 5 gal. demis. ....B	.06	: .08
Tannic, tech. 300B bbls. ....B	.40	: .50
USP, powd. 200B bbls. ....B	.70	: .75
USP, fluffy, 50B bbls. ....B	.75	: .80
Tartaric USP crys 300B bbls. B	..	: .37½
USP, powd. 300B bbls. B	..	: .37½
Imp. USP, 240B bbls. ....B	.35½	: .39½
Powd. 240B bbls. ....B	.35	: .36
Tobias, 250B bbls. ....B	1.20	: 1.30
Tungstic, 100B kegs. ....B	..	: 1.00
Aconitine Alk. crys. 1 oz. vis. oz	..	: 30.00
Amorphous, 1 oz. vis. ....oz	..	: 20.00
Adeps Lanae, hydrous 350B bbls B	.21	: .23
Anhydrous, 350B bbls. ....B	.23	: .24
Albumen, Egg, edible. ....B	..	: 1.10
Technical, see Dyes Sundries		
ALCOHOL, USP 190 pf. 50 gal.		
bbls. ....gal.	4.75	: 4.80
Second Hands, bbls, USP 190		
pf. ....gal.	..	: 4.70
Export, USP, 190 pf. ....gal	.42	: .50
Cologne Spirit, 50 gal. bbls. gal	..	: 4.75
WOOD, see Methanol		
Alcohols, also in 50 gal.		
drums, extra and returnable.		
Amyl, see Oil Fuel		

ALCOHOL—(continued)

Butyl, 50 gal. drums. ....B	..	: .40
Cinnamic, liquid, 1B bot. ....B	10.00	: 12.00
Crystallizable. ....B	12.00	: 15.00
Isobutyl, crude 50 gal. drums. gal	..	: 4.40
Refined, 10B can. ....B	..	: .75
Isopropyl, crude 50 gal. drs. gal	..	: 2.25
Refined, 50 gal. drs. ....gal	4.00	: 4.50
Ref'd, 91%. drs. ....gal	..	: 3.50
Methyl, see Alcohol, Wood		
Phenylethyl, see Phenylethylalcohol		
Propyl, nml. crd 50 gal. drms. gal	..	: 4.40
Refined, 10B can. ....B	..	: .75
Denatured		
No. 1 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.43	: .45
50 gal. drums, extra. ....gal	.38	: .40
No. 1 Special Denat. 190 Proof		
50 gal. bbl. incl. ....gal	.41	: .43
50 gal. drums, extra. ....gal	.35	: .37
No. 5 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.40	: .42
50 gal. drums, extra. ....gal	.34	: .36
No. 6 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.39	: .42
50 gal. drums, extra. ....gal	.33	: .35

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.

General Chemicals

A MARK OF PLEDGED RESPONSIBILITY

GENERAL CHEMICAL
COMPANY

ON PRODUCTS OF STANDARD MERIT

Sulphuric Acid

Acetic Acid	Alum	Salt Cake
Chlorsulphonic Acid	Aluminum Sulphate	Tin Crystals
Hydrochloric Acid	Aqua Ammonia	Sodium Sulphide
Mixed Acids	Copperas Nitrate Iron	Sodium Silicate
Nitric Acid	Ferrous Sulphide	Sodium Phosphate

General Chemical Company

40 Rector Street, New York

Baltimore
BuffaloChicago
ClevelandDenver
EastonPhiladelphia
PittsburghProvidence
San Francisco

The Nichols Chemical Co., Ltd., Montreal

Cable Address: Lycurgus, N. Y.

Chemicals

Alecin, USP 100 lb cases.....	.87	: .90
Alpha-Naphthol, crude 300 lb bbls.	...	: .65
Refined, 300 lb bbls.....	...	: .75
Alpha-Naphthylamine, 350 lb bbls.	.37	: .39
Ton lots, bbls, wks.....	.35	: .37
ALUM. Ammonia, lump 400 lb bbls.		
wks.....	100 lb	3.50 : 3.65
Imp., 500 lb casks.....	100 lb	3.50 : 4.00
Ground, 400 lb bbls. wks.	100 lb	3.65 : 3.75
Powd., 380 lb bbls. wks.	100 lb	3.90 : 4.00
Chrome, 500 lb cks wks.	100 lb	5.50 : 6.00
Fetash, lump 400 lb bbls.		
wks.....	100 lb	4.50
Bbls. c/l wks.....	100 lb	4.25
Cont. bbls c/l wks.....	100 lb	4.25
Imp. 650 lb cases s.p.....	100 lb	3.00 : 3.25
Ground, 400 lb bbls. wks.	100 lb	4.35 : 4.60
Imp. 650 lb casks.....	100 lb	3.00 : 3.25
Powd., 380 lb bbls. wks.	100 lb	4.50 : 4.75
Chrome, 700 lb cks wks.	100 lb	5.50 : 6.00
Soda, grd. 400 lb bbls. wks.	100 lb	4.00
Bbls. c/l wks.....	100 lb	3.50
Aluminum, metal, c/l NY.....	100 lb	25.00 : 26.00
Chloride, anhyd. 275 lb drs..		.20 : .22
30% sol. 120 lb cys.....		.03 1/2 : .04
Hydrate, 96% light 90 lb bbls.		.18 1/2 : .20
SULFATE. Iron-free bags c/l		
wks.....	100 lb	2.50 : 2.65
Imported, spot.....	100 lb	2.50 : 2.60
Comm'l., 1/2% iron, bgs. c/l		
wks.....	East 100 lb	1.45 : 1.50

ALUMINUM SULFATE—(Continued)		
Cont. bgs. c/l wks. E. 100 lb	...	: 1.40
Bags, c/l wks. W. 100 lb	...	: 1.35
Bbls., c/l wks. East. 100 lb	...	: 1.60
Bulk, c/l cont. wks. E. 100 lb	...	: 1.35
Amidol, (see Diaminophenol)		
Amidopyrine, 10 lb boxes.....	5.50	: 6.00
1 lb cartons, 10 lb.....		
Aminoazobenzene, 110 lb kgs..	...	: 1.15
AMMONIA anhyd. 100 lb cyl..	...	: .30
Water, 26° 800 lb drs. wks..	...	: .07 1/2
Drs. c/l wks.....	...	: .07 1/2
Imp., 800 lb drs incl spot..	...	: .06 1/2
26° 100 lb cys. lc/l wks..	...	: .08 1/2
Cys., c/l wks.....	...	: .08 1/2
20°, 800 lb drs. lc/l wks..	...	: .08
Cys., lc/l wks.....	...	: .07 1/2
18°, 800 lb drs. lc/l wks..	...	: .05 1/2
Cys., lc/l wks.....	...	: .07 1/2
16°, 800 lb drs. lc/l wks..	...	: .04
Cys., lc/l wks.....	...	: .05
Ammonium Acetate, 100 lb kgs..	.35	: .36
Benzoate, USP 1 lb bot.....	.85	: .90
Bisulfide, 300 lb bbls.....	.22	: .23
100 lb kgs.....	.23	: .24
Bromide, 50 lb boxes.....	...	: .33
Imported, 112 lb boxes.....	.19	: .20
Carb., tech. 560 lb casks.....	...	: .09 1/2
Powd., tech. 385 lb bbls..	...	: .09
USP, lump, 100 lb kgs.....	...	: .09 1/2
Powd., 100 lb kgs.....	...	: .08 1/2
Chloride, Domestic		
White gran. 250 lb bbls. NY.	...	: .08
Bbls., c/l wks.....	...	: .07 1/2
Gray 250 lb bbls, wks.....	.08 1/2	: .08 1/2
Bbls, c/l wks.....	.08	: .08 1/2

AMMONIUM CHLORIDE—(Continued)		
Imp. wh. 600 lb cases spot..	.06 1/2	: .06 1/2
Gray, 600 lb casks spot..	.08	: .09
Lump, 500 lb casks spot.....	.13	: .14
Ichthyolate, as to brand.....	.75	: 4.00
Iodide, USP 25 lb jars.....	...	: 5.20
Lactate, 500 lb bbls.....	.15	: .16
Nitrate, tech. crys. 225 lb bbls.	...	: ...
Refined Crystals, bbls.....	.18	: .20
CP gran. 100 lb kegs.....	.35	: .37
Oxalate, pure, 100 lb kegs...	.50	: .57
Persulfate, 112 lb cases.....	.55	: .60
Phosphate, dibasic 200 lb bbls.	.54	: .60
Tech., powd. 325 lb bbls...	.15	: .17
Salicylate, USP 100 lb kegs..	...	: .85
Sulfate, bulk c/l wks.....	...	: 3.20
200 lb single bgs c/l wks.	100 lb	: 3.30
200 lb double bgs, f.a.s. 100 lb	...	: 3.65
Sulfoxyanide, tech. 100 lb kgs.	...	: .50
CP. 25 lb jars.....	.60	: .65
Amyl Acetate, tech. 50 gal. drs. gal	4.25	: 4.50
Pure, 5 gal. cans.....	6.75	: 7.75
Alcohol, see Fusel Oil		
Butyrate, 1 lb bot.....	2.00	: 2.10
Formate, 1 lb bot.....	1.75	: 2.00
Salicylate, 100 lb cys.....	1.45	: 1.60
Anethol, 2 lb bot.....	1.60	: 2.00
ANILINE OIL , 900 lb drs.....	.16	: .17
Aniline Salt, 200 lb bbls.....	.24	: .25
Amide Aldehyde, 1 lb bot.....	3.40	: 4.00
Anthracene, 40-45% 600 lb casks		
wks.....	.12	: .17
80-85%, 600 lb casks wks..	.75	: 1.00
Anthraquinone, subl 125 lb bbls.	1.30	: 1.35
30% paste 350 lb bbls.....	.75	: .80
Antimony metal, slabs ton lots.	6.75	: 6.87
Needle Powd., 100 lb cases...	.06 1/2	: .07

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Aconitine and Salts
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 Antipyrine
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 Arecoline Hydrobromide
 Atropine and Salts
 Berberine and Salts
 Brucine and Salts
 Caffeine and Salts
 Cocaine and Salts
 Codeine and Salts
 Colchicine Alkaloid, U. S. P.
 Colchicine Salicylate
 Creosote, U. S. P.
 Creosote Carbonate
 Cumarin
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 Digitalin Pure
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 Potassium Guaiacol
 Sulphonate "Alta" Brand
 Salicin
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 Genuine "Biebrich"
 Silver Protein
 Sodium Cacodylate
 Sparteine Sulphate
 Strophanthin
 Strychnine and Salts
 Theobromine and Salts
 Veratrine and Salts
 Yohimbin Hydrochloride

THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

Chemicals

ANTIMONY CHLORIDE, anhyd 1000 lb			Bay Rum, Porto Rican, genuine			Beta-Naphthylamine, tech. 200 lb.		
drs.	lb	.. : .35	Denat. salicy acid or tartar emetic			0015.	lb	.. : .78
50 lb crocks.	lb	.. : .48	45 gal. bbls.	gal	3.17 : 3.20	Sublimed, 200 lb bbls.	lb	.. : 1.35
Sol'n. 130 lb carboys.	lb	.. : .12	Denat. quinine sulf. 45 gal.			Bichloride Mercury, see Mercury Bichloride		
Oxide, 500 lb bbls.	lb	.. : .07	bbls.	gal	3.40 : 3.50	BISMUTH metal, 150 lb cases.		
Salt, dom. 500 lb bbls.	lb	.. : .24	Domestic synthetic, 50 gal.			Second Hands.	lb	2.75 : 2.85
Imp., NY.	lb	.. : .23	bbls.	gal	1.25 : 1.35	Ammon. Citrate, USP 5 lb bxs.	lb	2.60 : 2.65
Sulfuret, golden 500 lb bbls.	lb	.. : .21	Benzaldehyde, tech. 945 lb drs.			Betanaphtholate, 5 lb bxs.	lb	5.60
336 lb kegs.	lb	.. : .19	wks.	lb	.75 : .80	Citrate, USP 5 lb bxs.	lb	3.20
Crimson, 500 lb bbls.	lb	.. : .38	USP, 40 lb chys.	lb	1.50 : 1.60	Nitrate, 25 lb jars.	lb	3.00
336 lb kegs.	lb	.. : .36	FFC, 40 lb chys.	lb	1.75 : 1.85	Oxychloride, 250 bbls.	lb	1.85
Red, 500 lb bbls.	lb	.. : .45	BENZENE, 90% 8000 gal. tanks			Phenolsulfonate, 5 lb cans.	lb	3.35
336 lb kegs.	lb	.. : .42	wks.	gal	.25 : .27	Salicylate, 250 bbls.	lb	3.05
Tartrolactate, 500 lb bbls.	lb	.. : .45	110 gal. drs. wks.	gal	.30 : .32	Subcarbonate, USP, 250 bbls.	lb	1.95
Antipyrine, USP, 100 lb cases.	lb	3.00 : 3.25	Pure, Tanks, wks.	gal	.27 : .32	Subcarbonate, USP 250 bbls.	lb	3.25
Apomorphine Hydrochloride, 1/2 oz. vial.	oz.	19.85	110 gal. drs. wks.	gal	.33 : .35	X-Ray diag. 1 lb bot.	lb	3.25
Arecoline Hydrate, 1 oz. vial.	oz.	8.00 : 9.50	Benzidine Base, dry 250 lb bbls.	lb	.. : .86	Subgallate, USP 175 bbls.	lb	3.60
Argols, red powd. 350 lb bbls.	lb	.. : .07	10 bbl. lots.	lb	.82 : .84	Subiodide, 5 lb lots.	lb	2.65
Arsenic, metal 220 lb kegs.	lb	.. : .35	Benzidine Sulfate, paste 350 lb			Subnitrate, USP, 250 bbls.	lb	4.55
Red, 224 lb kegs.	lb	.. : .15	bbls.	lb	.70 : .72	Second Hands, bbls. or less.	lb	2.75
White, 550 lb bbls, c/l NY.	lb	.. : .14	Benzol, see Benzene			Cones, 1 lb bot.	lb	2.60
Aspirin, see Acid Acetylsalicylic			Benzonaphthol, 5 lb boxes.	lb	2.00 : 2.10	Subsalicylate, USP, 175 bbls.	lb	3.75
Atropine Alk. USP 1 oz vial.	oz.	10.50	Benzoyl Chloride, 500 lb drs.		1.00	Tannate 1 lb bot.	lb	3.05
Sulfate, 5 oz. cans.	oz.	3.00	Benzyl Acetate, 100 lb chys.	lb	1.25 : 1.40	Tannate 1 lb bot.		
Single ounce.	oz.	3.17	Alcohol, 5 lb bot.	lb	1.50 : 1.75	Bismuth Preparations quoted above on basis 25 lb lots. Smaller lots at an advance.		
BARIUM DIOXIDE, see Barium dioxide			Benzoate, 5 lb bot.	lb	1.50 : 1.60	Blanc Fixe, dry 400 lb bbls. wks.	ton	80.00 : 85.00
Carbonate, precip., 800 lb bbls.			Medicinal FFC.	lb	1.75 : 1.85	Imported, bbls.	ton	65.00 : 70.00
wks.	ton	70.00	Chloride, 95% tech. 925 lb drs.	lb	.. : .30	Paste, 650 lb bbls.	ton	50.00 : 55.00
Imports, bbls. spot.	ton	70.00	100 lb chys.	lb	.30 : .35	BLEACHING POWDER, 700 lb drs.		
Precip., 200 lb bgs, wks.	ton	68.00 : 70.00	Rodistil. 100 lb chys.	lb	.40 : .45	c/l wks.	100 lb	1.90 : 2.15
Chloride, 400 lb. bbls. wks.	ton	90.00	Formate, 1 lb bot.	lb	2.50 : 3.00	Drums 1c/l ex-warehouse.	100 lb	2.40 : 2.65
200 lb bgs, wks.	ton	88.00 : 90.00	Berberine Hydrochloride, 1 lb bot.	lb	.. : 22.00	Contract, c/l wks.	100 lb	1.90 : 2.00
Import, bbls., spot.	ton	80.00 : 85.00	Sulfate, acid or neut. 1 lb bot.	lb	.. : 22.00	F. a. a. c/l.	100 lb	.. : ..
Dioxide, 88% 600 lb drs.	lb	.. : .17	BETA-NAPHTHOL, 350 lb bbls. wks. ....		.24	Imported, spot.	100 lb	.. : ..
Import, 83-85% 400 lb drs.	lb	.. : .14	Ton lots, wks.	lb	.22 : .23	Blue Ointment, see Mercury		
Hydrate, 500 lb bbls.	lb	.. : .05	Sublimed.	lb	.55 : .60	Mass, see Mercury		
Iodide, 5 lb box.	lb	.. : 5.15				Bone Ash, 100 lb kegs.	lb	.. : .08
Nitrate, 700 lb cases.	lb	.. : .10				Black, 200 lb bbls.	lb	.. : .06
Import, cases.	lb	.. : .07						
Sulfocyanide 400 lb bbls.	lb	.. : .35						
Sarytes, floated 350 lb bbls.	ton	33.50 : 35.00						

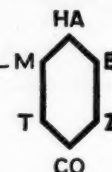
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Chemicals

Borax, USP, cryst. 400 lb bbls..	.05%	.05%
Powdered, U.S.P. 300 lb bbls..	.05%	.05%
Keps, USP, 100-150 lb.....	.05%	.06
Bordeaux Mixture, powd. bbls..	.12	.15
Paste, bbls.....	.08	.10
Borneol, 1 lb bot.....	...	3.50
Bromide, see potass. bromide, etc.		
Bromine, bot. in 60 lb cs. wks..	...	.20
Bromobenzene, 600 lb drums.....	.40	.42
Bromoform, USP 5 lb bot 50 lb cs..	...	1.50
Bromistrol, 25 lb kegs.....	4.00	4.25
Brucine Sulfate, 100 ozs.....	...	.20
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100 lb bxs.....	1.15	1.25
Bromide, 50 lb cases jars.....	...	1.10
Iodide, 10 lb bot.....	...	4.45
Sulfide, cs.....	1.50	1.60
CAFFEINE ALK. USP 5 lb cans..	3.75	4.25
Second Hands.....	...	3.75
Hydrochloride, 1 lb bot.....	7.12	7.32
Sulfate, 1 lb bot.....	...	5.50
Citrated, 25 lb cans.....	3.00	3.25
Hydrobromide, 1 lb bot.....	...	4.75
CALCIUM Acetate, 150 lb bgs. c/l		
wks.....	...	4.00
Arsenate, 100 lb bbls. c/l wks..	.17	.19
Bbls. lc/l wks.....	.18	.21
Bromide, 100 lb cs.....	...	.45
Calcium Carbide, 220 lb dr c/lwks		
Drums lc/l wks.....	...	.05
Carbonate, tech. 100 lb bags		
c/l.....	1.00	1.10
USP, precip. 175 lb bbls..	...	.04
Chloride, solid, 650 lb drs. c/l		
f.o.b. NY.....	...	24.50
Gran. 350 lb drs. c/l f.o.b.		
NY.....	...	30.50

CALCIUM CHLORIDE—(Continued)		
Flake 330 lb drs. c/l drs. f.o.b.		
NY.....	...	30.50
Anhyd., 350 lb drs. f.o.b. NY..	.13	.20
Glycerophosphate, 250 lb bbls..	1.55	1.60
Hydrate, (see Lime)		
Iodide, 5 lb bot.....	...	4.35
Lactate, tech. 500 lb bbls..	...	.13%
Nitrate, 220 lb bbls. c/l NY.ton	...	40.00
Phosphate, tech. 350 lb bbls..	.09	.10
Phosphate, precip. tribasic 200		
lb bbls. wks.....	.12	.13
Phosphate, mono.....	.07	.09
Sulfocarbonate, 100 lb kegs.....	.58	.60
Calomel, see Mercury		
CAMPHOR, Amer. ref. 250 lb		
bbls.....	...	.96
2 1/4 lb slabs, 100 lb cs.....	...	.97
1 lb cakes, 100 lb cs.....	...	.97%
1 oz. tab., 1 lb ctns.....	...	1.01%
100 lb cs.....	...	1.01%
1/2 oz. tab., 1 lb ctns.....	...	1.02
100 lb cs.....	...	1.02
Jap. ref. 2 1/4 lb slabs, 100 lb		
cs.....	.88	.90
1 oz. tab., 100 lb cs. 1 lb		
tins.....	...	1.00
1/2 oz. tab. 100 lb cs. 1 lb		
tins.....	...	1.02
Chinese ref. 2 1/4 lb slabs 100 lb		
cs.....	...	.90
Crude, 100 lb cs.....	.72	.73
Campbor, Monobrom. 100 lb cs..	1.75	1.85
Caramel, 50 gal. bbls.....	.60	.62
Carbazol, 250 lb bbls.....	.75	.80
Carbon Bisulfide, 500 lb dr. lc/l NY..	...	.07
c/l drums, NY.....	...	.06
Carbon Black, 12 1/4 lb bags, wks..	.18	.35

Carbon Tetrachloride, 1400 lb drs.		
NY.....	...	.10%
Drums, c/l NY.....	.09	.09%
700 lb drs. single NY.....	...	.10%
Carmine, No 40 5 lb boxes.....	4.50	4.60
Casein, edib. 100 lb keg.....	.45	.50
Technical, 200 lb bbls.....	.16%	.18
Castoreum, 1 lb boxes.....	4.00	4.50
Castor Oil, USP 50 gal. bbl.....	...	1.4%
Cases, 80 lb 2 tins.....	...	.15
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cerium Oxalate, USP 100 lb kgs..	.48	.53
Chalk, drop 175 lb bbls.....	...	.03%
Precip. light 250 lb csks.....	.04%	.04%
Precip. heavy 560 lb csks.....	.03%	.04
Bulk.....	5.00	8.00
Precip. English, 7 lb bags.....	...	.07%
Charcoal, Bone, see bone black		
Wood, powd. 100 lb bbl.....	.04	.05
Willow, powd. 100 lb bbl.....	.06	.07
China Clay, imp.....	16.00	22.50
Domestic, fob Mine.....	15.00	17.50
Chloral Hydrate, USP 100 lb drs..	.75	.80
25 lb jars.....	.76	.81
Chinoidin, 170 lb cases.....	.65	.75
Chloramine-T, 5 lb bot.....	1.25	2.50
Chlorosane, 5 lb bot.....	.55	.75
Chlorhydrin, Ethylene anhyd., 600 lb		
dr.....	.75	.85
40% soln. 100 lb chps.....	.25	.30
CHLORINE, Liquid 2000 lb cyl.		
c/l wks.....	.05%	.05%
Tank car lots wks.....	.05%	.05%
100 lb cyl c/l.....	...	.06
100 lb cyl lc/l wks.....	.06%	.07
100 lb cyl lc/l, ex-warehouse..	...	.09
Chlorobenzene, mono. 1000 lb drs.		
wks.....	.11	.12
Dr. c/l wks.....	.10	.11
Tank car lots wks.....	...	.09
CHLORFORM, USP 50 lb drs.....35
Second Hands, 650 lb drs.....	.32	.34
Technical, 650 lb drums.....	.32	.33



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Acetic Anhydride 92-95%
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Acid Phosphoric 50%
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Chemicals

Chromium Acetate, 20° soln. 400 lb	.08	: .10	COD LIVER OIL, Norwegian, 30 gal	bbls.	25.00	: 26.00	Cyanamide, bulk c/l wks. Amm. unit	...	: 3.25
Fluoride, Fowd. 400 lb bbls.	...	: .30	Newfoundland, 30 gal bbls. bbl	...	...	...	DIAMINOPHENOL, 100 lb kegs.	...	: 3.80
Soln. 400 lb bbls.	...	: .07	Colchicine alk., USP 1 oz. vial.	...	30.00	...	Dianisidine, 100 lb kegs.	...	: 4.60
Sulfate, 400 lb bbls.	...	: .07	Salicylate, 1 oz. vial.	...	45.00	...	Dichlorobenzene, 1000 lb drs.	...	: .07 1/2
Chrysarobin, USP 5 lb cans.	2.00	: 3.00	Collodion, USP 30 lb drums.	...	.22	: .23	Diethylaniline, 850 lb drs.	...	: .60
Cinchonidin alk., pvd. 100 oz. tins.	...	: .70	Flexible, USP 30 lb drums.	...	.27	: .28	Diethyl Phthalate, 25 lb cans.	...	: .65
Crystal	...	: .75	COPPER, metal electrolytic c/l				Diethyl Sulfate tech. 50 gal. drs.	...	: .20
Sulfate, 100 oz. tins.	...	: .49 1/2	NY				CP drums	...	: .40
Cinchonine alk., pvd. 100 oz. tins.	...	: .38	Lake, c/l NY.	100 lb	15.12	: 15.25	Digitalin, Pure, 1 oz. vial.	...	: 7.75
Crystal	...	: .43	Casting, c/l NY.	100 lb	15.25	: 15.37	Dimethylaniline, 840 lb drs. wks.	...	: .42
Sulfate, 100 oz. tins.	...	: .25	Carbonate, 400 lb bbls.	...	.19	: .19 1/2	Dimethylsulfate, 100 lb drs.	...	: .50
Cinnamic Alcohol, see Alcohol Cinnamic			Chloride, 250 lb bbl.	...	...	: .30	Dinitrobenzene, 400 lb bbls.	...	: .19 1/2
Cinnamic Aldehyde, 1 lb bot.	3.20	: 3.50	Cyanide, 100 lb drs.	...	.58	: .60	Dinitrochlorobenzene, 400 lb bbls.	...	: .19 1/2
Citral, 25 lb cans.	2.75	: 3.00	Iodide, 5 lb bot.	...	...	: 5.65	Dinitronaphthalene, 350 lb bbls.	...	: .32
Citric Ointment, see Mercury			Oxide, 1000 lb bbls. ton lots.	...	...	: .20	Dinitrophenol, 350 lb bbls.	...	: .40
Citronellal, 1 lb bot.	2.00	: 2.25	Sub-Acetate, verd. 440 lb bbls.	...	.35	: .37	Dinitrotoluene, 300 lb bbls.	...	: .19
Citronellol, 1 lb bot.	8.00	: 14.00	SULFATE, crys. 450 lb bbls. 1c/l				Dionin, see Morphine, Ethyl		
Cobalt metal, 100 lb kegs.	2.75	: 2.85	spot		5.60	: 5.70	Diphenylamine, 250 lb bbls.	...	: .48
Cobalt Oxide, 500 lb bbls.	...	: 2.10	Carlots, bbls. f.o.b. NY. 100 lb	...	5.50	: 5.60	Diphenylguanidine, 170 lb bbls.	...	: 1.15
10 lb tins 200 lb cases.	...	: 2.35	Carlots, bbls., delivered. 100 lb	...	...	: 5.60	Diphenyloxide, 500 lb drums.	...	: .85
COCAINE alk., USP, 1 oz. vial.	...	: 11.00	Imp. 550 lb cks.	...	5.00	: 5.25	Dover's Powder, USP 5 lb tins.	...	: 2.20
Hydrochloride, USP—1 oz. vials,			Powdered, 350 lb 5 bbls.	...	...	: .06 1/2	Duboisine Sulfate, 1 oz. vial.	...	: 60.00
25 ozs.	...	: 7.07	Copperas, bulk c/l wks.	...	20.00	: 21.00	EARTH, Diatomaceous, see Kieselguhr		
In 1/2 oz. vials.	...	: 7.50	400 lb bbls. c/l wks.	...	...	: 25.00	Emetine, alk., 15 gr. vis.	...	: 1.65
In crystals, granular, powder,			200 lb bgs. c/l wks.	...	...	: 23.00	Hydchlide, USP 1 oz. vial.	...	: 19.00
or flaky crystals as desired.			Powdered, bbls.	...	1.90	: 2.00	15 gr. vials.	...	: .75
Cocoa Butter, bulk, 200 lb bales.	.27 1/2	: .30	Corn Syrup, 42 deg. 50 gal.				EPSOM SALT, tech. 300 lb bbls.		
Fingers, cakes, etc. 12 lb bxs.	.36 1/2	: .37 1/2	bbls.	...	...	: 8.51	NY	...	: 2.15
CODEIN alk., 1 oz. vis. 10 oz.	...	: 8.62	43 deg. 50 gal. bbls.	...	...	: 3.50	Bbls. c/l NY.	...	: 2.00
Hydrobromide, 1 oz. vis. 10 oz.	...	: 6.92	Corrosive Sublimate, see Mercury Bichloride				100 lb bgs. c/l NY.	...	: 1.80
lots	...	: 6.92	Cotton Soluble, 100 lb bbls. wet.	...	.40	: .42	Imp., 220 lb bgs. c/l		
Hydrochloride, 1 oz. vis. 10 oz.	...	: 7.77	Coumarin, 25 lb tins.	...	4.50	: 4.75	NY	...	: 1.10
lots	...	: 7.77	Second Hands	...	...	: 4.35	USP, 300 lb bbls., 10 bbls. 100 lb	...	: 2.50
Phosphate, 1 oz. vis. 10 oz.	...	: 6.47	CREAM TARTAR, USP, 300 lb				Carlots, bbls.	...	: 2.25
lots	...	: 6.47	bbls.	...	...	: .26 1/2	Imported, 400 lb bbls. 100 lb	...	: 1.80
Salicylate, 1 oz. vis. 10 oz.	...	: 6.47	Imp. powd. USP, 224 bbls.	...	.25	: .25 1/2	100 lb kegs.	...	: 2.00
lots	...	: 6.92	Creosote, USP, 42 lb chys.	...	.50	: .55	Ergotin, Bonjean, 1 lb jar.	...	: 9.50
Sulfate, 1 oz. vis. 10 oz. lots.	...	: 6.92	Creosote Oil, 50 gal. drs.	...	.20	: .23	Esarine alk., 1 oz. vial.	...	: 30.00
Small Sizes. 1/2 oz. vials, 50c extra,			Carbonate, 1 lb bot. 25 lb	...	1.80	: 2.00	Salicylate, USP 1 oz. vial.	...	: 20.00
1/4 oz. 25c extra, singles 7c extra			Creosol, USP, 400 lb bbls.	...	.25	: .37	Sulfate, USP VIII, 1 oz. vial.	...	: 15.00
per oz.—25 oz. lots, 10c oz. cheaper									
than above. Less than 10 oz. 15c oz.									
higher than above.									

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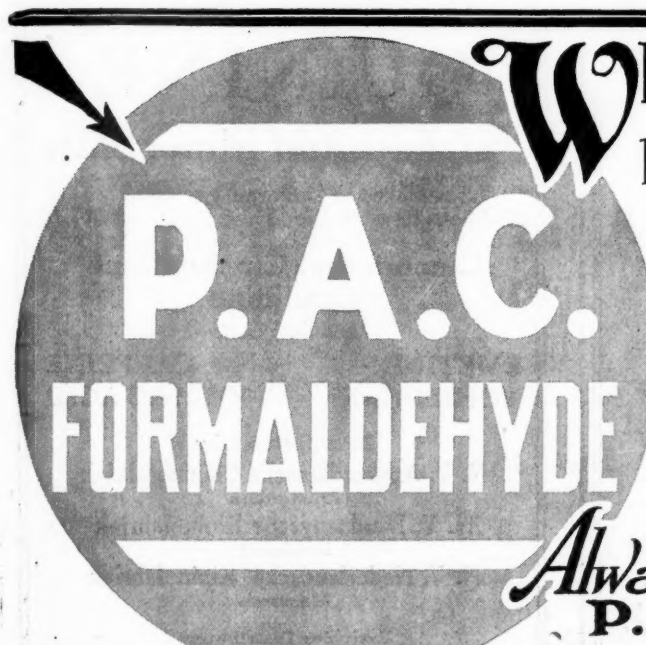
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ETHER, USP 55 lb drums.....lb	.13	.15	Fluorspar, 95% 220 lb bgs. ex dock.....ton	25.00	GLYCERIN, C. P. 550 lb drums..lb	.16	.16 1/2
Anaesthesia, 55 lb drums.....lb	..	.16	96% bgs. ....ton	33.50	Cans, 50 lb .....lb	.17 1/2	.18
USP, 1880 55 lb drums.....lb	..	.38	98% bgs. ....ton	35.00	Dynamite, 1000 lb drs.....lb	.15	.15 1/2
Washed, 55 lb drums.....lb	..	.30	FORMALDEHYDE, USP 400 lb bbls. c/l wks. ....lb	.15	Saponification, tanks.....lb	.11	.11 1/2
Motor, 1 lb cans.....lb	.28	.27	Carboys, 100 lb lc/l wks.....lb	.16	Soap, Lye, tanks.....lb	.10	.10 1/2
Ether, Nitrous, 1 lb bot.....lb	.92	.95	Bbls. 400 lb lc/l wks.....lb	.13	Goa Powder, see chrysarobin		
Ethyl Benzyl Aniline, 300 lb drs..lb	..	1.30	Second Hands.....lb	.14 1/2	Graphite, crude 220 lb bags.....ton	15.00	35.00
Ethyl Acetate, 99%, 50 gal. drs.gal	1.05	1.15	Fuller's Earth, 200 lb bgs. c/l mines.....ton	15.00	Flake, 500 lb bbls.....lb	.06	.10
85-90% Ester, 50 gal. drs.gal	..	.95	Imported, 230 lb bags NY.....ton	35.00	Ground, lump, bbls.....lb	.04	.05
Carlots, drums.....gal	..	.92	Fusel Oil, refined, 100 gal drs.gal	..	Gualacol Liquid, USP 25 lb cans..lb	2.50	2.80
Tank Cars.....gal	..	.90	Crude, 100 gal drum.....gal	..	Benzoate, 1 lb bot.....lb	..	18.00
Pure, 5 lb bot.....gal	..	3.50	G. SALT, paste 350 lb bbls. basis 100%.....lb	.60	Carbonate, 5 lb boxes.....lb	5.00	5.25
Benzoate, 5 lb bot.....lb	1.85	2.00	Gelatin, USP silver bbl. 100 lb cs..lb	.85	HAARLEM OIL, Dom. 6 gr. cs.gross	..	3.50
Bromide 115 lb drs.....lb	..	.40	Gold Label, 100 lb cases.....lb	..	Imported, 5 gr. cases.....gross	5.20	5.25
Butyrate, 5 lb bot.....lb	2.00	2.25	Technical, 100 lb cs.....lb	.60	Halazone, 5 lb bot.....lb	2.75	3.25
Chloride, 15 lb cyl.....lb	..	.35	Geraniol, 50 lb cans.....lb	2.75	Hellotropin, 10 lb bot.....lb	1.75	2.75
Cinnamate, 1 lb bot.....lb	4.50	5.00	Geranyl Acetate, 1 lb bot.....lb	4.25	Hexamethylenetetramine, USP 100 lb drums.....lb	.93	.95
Formate, 5 lb bot.....lb	.95	1.00	GLAUBER'S SALT, tech. 200 lb bags c/l wks. ....100 lb	1.15	Imported.....lb	.75	.80
Methyl Ketone, 50 gal. drums..lb	.25	.25 1/2	350 lb bbls. c/l wks.....100 lb	1.30	Rubber Makers, Impalp. Pd. drs.....lb	..	.95
Morphine, see Morphine, Ethyl Valerate, 5 lb bot.....lb	4.50	4.75	Bbls. lc/l wks.....100 lb	1.50	Homatropine Hydrobrom. USP 1 oz. vial.....oz	..	18.00
Ethylene Bromide, 600 lb drs.....lb	..	.60	Imported, bbls. spot.....100 lb	.90	Five ozs., 1 oz. vials.....oz	..	15.00
Glycol.....lb	.65	1.00	USP, 300 lb bbls. imp. sp. 100 lb	1.25	Hydrastine Alk., USP, 1 oz. vial.oz	..	20.00
Chlorhydrin, anhyd. 50 gal drs..lb	.75	.85	USP, 300 lb bbls. dom. sp. 100 lb	1.75	Hydchlde, USP, 1 oz. vial.....oz	..	20.00
40% Solution, 50 gal. bbls..lb	.25	.30	USP, 300 lb bbls. c/l wks. 100 lb	1.40	Sulfate, 1 oz. vial.....oz	..	22.00
Dichloride, 50 gal. drs.....lb	.20	.25	Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY.....100 lb	3.11	Hydrastinine Hydchlde, USP 15 gr. vials.....vial	..	2.40
Eucalyptol, 25 lb cans.....lb	.80	.85	Syrup, Drs. & bbls, c/l NY 100 lb lc/l NY.....100 lb	3.41	Hydrazobenzene, 100 lb kegs.....lb	1.30	1.35
Eugenol, 25 lb cans.....lb	2.85	3.25	GLUE, pure white, bbls.....lb	.30	HYDROGEN PEROXIDE, 25 vol. 400 lb bbls. ....lb	..	.10
Feldspar, bulk.....ton	20.00	25.00	Medium white, bbls.....lb	.25	USP Soln. 375 lb bbls.....lb	.05	.05 1/2
FERRIC CHLORIDE, tech. crys. 475 lb bbls. ....lb	..	.08	French, bbls.....lb	.18	USP bot. 4 oz. cases.....gross	8.00	8.25
Imported.....lb	..	.07	High Grade, bbls.....lb	.35	Bot. 8 oz. cases.....gross	11.75	12.00
USP, crys. 100 lb kegs.....lb	..	.09	Bone, regular, bbls.....lb	.10	Bot. 16 oz. cases.....gross	19.75	20.00
Imported.....lb	..	.08	Fish, bbls. ....gal	1.50	Hydroquinone, 100 lb kegs.....lb	1.25	1.35
Tech. Sol'n 40° 140 lb chys..lb	..	.06			Hyoscine Hydrobrom. USP 1 oz. vial.....oz	..	21.00
48°, 140 chys.....lb	..	.08			Five ozs., 1 oz. vials.....oz	..	20.50
USP Sol'n 125 lb chys.....lb	..	.06 1/2					
Ferrous Chloride, crys. tech. 475 lb bbls.lb	.08	.06 1/2					
Ferrous Sulfide, 1000 lb bbls. 100 lb	2.50	3.00					
Flake White, see lead, white							



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Hyocamine Alk. Cryst., 1 oz. vial. os	...	35.00	LANOLIN, see Adeps Lanæ			Litharge, see lead oxide		
Alkaloid, Amorphous, 1 oz. vial. os	...	75.00	LEAD, metal, c/l NY. 100 lb	7.25	7.30	Lithium Carb. USP 100 lb kgs. lb	1.50	1.60
Hydrobromide, USP 1 oz. vial. os	...	60.00	Acetate, white crystals 500 lb			Bromide, 100 lb cs. lb	1.70	1.80
Sulfate, 1 oz. vial. os	...	35.00	bbis. wks. lb	...	...	Citrate, USP 100 lb kgs. lb	1.60	1.70
INDOL, C. P. 1 oz. bot. os	8.50	9.00	100 to 250 lb kgs. wks. lb	...	...	Iodide, 5 lb bot. lb	...	5.40
Iodides, see Potass. Iodide, etc.			White, broken, bbis. wks. 100 lb	...	...	Lithopone, 400 lb bbis. lb/l wks. lb	...	.07 1/2
IODINE, crude, 200 lb kgs. lb	3.90	3.95	White, gran., bbis. wks. 100 lb	...	...	Bbis. c/l wks. lb	...	.07
Resublimed, 10 lb jars. lb	...	4.55	White, powd., bbis. wks. lb	...	...	Imported, 400 lb bbis. lb	...	.06 1/2
Tincture, USP, 50 gal. bbis. gal	4.50	4.60	Kegs, wks. lb	...	...	Litmus Cubes	...	1.00
Carboys	4.75	4.85	Brown, broken, bbis. wks. lb	...	...	MAGNESITE, crude	...	15.00
Iodoform, powd. 10 lb bot. lb	...	6.00	USP, 100 lb kgs. lb	...	...	Calcined, 500 lb bbis. ton	...	55.00
Crystals, 10 lb bot. lb	...	7.00	Arsenate, 100 lb bbis. lb/l wks. lb	...	...	Magnesium mtl., sticks 100 lb cs. lb	1.25	1.30
Ionone, (violet) 1 lb bot. lb	5.00	9.00	Bbis. c/l wks. lb	...	...	Carb. tech. 70 lb bags NY. lb	...	.08 1/2
Iridium, metal 10 oz lots. os	...	250.00	Paste, 600 lb bbis. lb	...	...	75 lb bbis. NY. lb	...	.08 1/2
Iron, metal by hydrogen 1 lb bot. lb	.65	.70	Iodide, USP VIII 5 lb bot. lb	3.20	3.40	USP, 60 lb bbis. lb	...	.10
IRON & AMM. CITRATE, USP 25 lb cans	...	.84	Nitrate, 500 lb bbis. wks. lb	...	...	USP, blocks 100 lb cs. 1, 2, 4	...	.19
Green scales, 25 lb cans. lb	...	.84	Oxide, lithge, 500 lb bbis. 100 lb	10.90	11.15	ons.	...	.23
Cacodylate, 10 lb bot. lb	9.00	9.25	100 lb kgs, wks. lb	...	...	Chloride, fused 575 lb drs. c/l	...	34.00
Citrate, USP VIII 25 lb cans. lb	...	.99	Oxide, red 500 lb bbis. wks. lb	11.40	11.65	wks. ton	...	34.00
Chloride, see ferric or ferrous			100 lb kgs wks. lb	...	...	Flaked, 350 lb drs. wks. ton	...	36.00
Hypophosphite, 5 lb cans. lb	1.50	1.60	Peroxide, 100 lb drs. lb	...	...	Imp., fused 900 lb bbis. NY. ton	26.00	28.00
Syrup, USP VIII. lb	...	.30	White, basic carb. 500 lb bbis. wks. c/l wks. lb	...	...	Fluossilicate, crystals 400 lb bbis. wks. lb	...	.15
Iodide, 1 lb bot. lb	...	4.20	Bbis. c/l wks. 100 lb	...	...	30% soln. 500 lb bbis. wks. lb	...	.07
Syrup, USP 5 lb bot. lb	...	.36	100 lb kgs wks. lb	...	...	Soln. bbis. c/l wks. lb	...	.08
Nitrate, kgs. lb	...	.09	White, sulfate 500 lb bbis. wks. lb	...	...	Glycerophosphate, 5 lb tins. lb	...	3.35
Com'l. 100 lb	2.75	3.25	Bbis. c/l wks. 100 lb	...	...	Hypophosphite, 5 lb cans. lb	...	1.15
Oxalate, scales 25 lb cans. lb	.80	.82	Licorice Ext. Mass, cans. lb	...	...	Oxide, USP light 100 lb bbis. lb	...	.45
& Ammon. Oxalate, 25 lb bxs. lb	.45	.50	Compound powder, bbis. lb	...	...	USP, heavy 250 lb bbis. lb	...	.50
& Potassium Oxalate, 25 lb bxs. lb	.47	.48	Powdered lb	...	...	Peroxide, 5 lb cans. lb	...	2.15
& Sodium Oxalate, 25 lb bxs. lb	.40	.42	Sticks, 1 oz. 100 lb cans. lb	...	...	Perborate, 1 lb tins. lb	...	2.25
Phosphate, USP 25 lb cans. lb	...	.39	LINE (Salts, see Calcium Salts)			Salicylate, 100 lb kgs. lb	...	.80
Pyrophosphate, USP 25 lb cans. lb	.90	.97	Live, 325 lb bbis. ton lots, wks. lb	...	...	Sulfate, see Epom Salts		
San-Eugenol, 1 lb bot. lb	4.25	5.00	Single bbl. wks. lb	...	...	Manganese Chloride, 600 lb cs. NY	...	.10
JALAP RESIN, lump 5 lb tins. lb	3.25	3.35	Hydrated, 187 lb bbl, ton lots, wks. lb	...	...	Borate, 30%, 200 lb bbis. lb	...	.36
Powd., tins. lb	3.40	3.50	Oxide, 125 lb bag. lb	...	...	100 lb kgs. lb	...	.37
KIESELGUHR, 90 lb bags NY. ton	60.00	70.00	Sulfur, dry 200 lb drs. NY. lb	...	...	Dioxide, 80-84% 900 lb bbis. NY	...	80.00
			Dr. c/l NY. lb	...	...	85-90%, 900 lb bbis. NY. ton	85.00	90.00
			23° Soln. 50 gal. bbis. NY. gal	...	...	Hydrated, precip. 100 lb kgs. lb	.82	.35
			Linalool, 5 lb bot. lb	7.00	7.25			
			Linalyl Acetate, 1 lb bot. lb	7.00	10.00			
			Benzoate, 1 lb bot. lb	15.00	14.00			

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Manganese—(continued)			METHANOL (Wood Alcohol)			NAPHTHA, Solvent, 110 gal. drs.				
Glycerophosphate, 5 lb tins....	D	3.05	95%, 50 gal. drms. ext....	gal	1.12	1.16	8000 gal. tank cars wks....	gal	.40	
Hypophos. USP VIII 5 lb cans..	D	1.65	Pure, 50 gal. drms. ext....	gal	1.14	1.17			.35	
Iodide, 1 lb bot.....	D	6.40	Acetone free, 50 gal. drms. ext. gal		1.30	1.35	NAPHTHALENE, Flaks, 175 lb bbls.			
Ore, bulk NY.....	unit	.45	Bbls. incl. 5c higher		1.35	1.40	wks.	D	.07%	
Sulfate, 600 lb cans NY.....	D	.10					Bbls. c/l wks.	D	.07	
Marble Flour, bulk.....	ton	10.00	Methyl Acetone, 100 gal. drums. gal		.95		Bbls., second hands NY....	D	.08%	
See also Calcium Carbonate			Tanks cars		.90		Balls, 250 lb bbls. wks....	D	.08	
MENTHOL, USP, 60 lb cases....	D	9.50	Amthramidate, 1 lb bot.....	D	3.50	4.50	Bbls. c/l wks.	D	.07%	
Less cases, 5 lb tins.....	D	9.75	Chloride, 90 lb cyl.....	D	.50		Bbls., second hands NY....	D	.08%	
MERCURY, metal 75 lb flask..	flask	68.00	Cinnamate, 1 lb bot.....	D	4.00	4.50	Crushed, bgs. wks.	D	.04	
Less Flasks, 5 lb fugs.....	D	1.02	Paracresol, 1 lb bot.....	D	8.00	9.00	Crude, imp., bgs.	D	.03%	
Bichloride, cryst. 25 lb bxs..	D	1.17	Salicylate, USP, 50 lb cases..	D	.57	.62	Nerolin, 1 lb tins.....	D	1.75	2.00
Gran. powd., 200 lb kegs..	D	1.02	500 lb drums	D	.55	.60	Nickel Metal, electrolytic 100 lb			
Bisulfate, 25 lb boxes.....	D	.86	Second Hands, cases.....	D			kegs	D	.30	
Blue Mass, 25 lb boxes.....	D	.62	Methylene Blue, tech. 100 lb kgs.	D	1.00	1.50	Ingot, 100 lb kegs.....	D	.29	.52
Powdered, 25 lb boxes.....	D	.64	USP, medicinal 5 lb cans..	D	2.25	2.60	Salt, single 400 lb bbls. NY..	D	.11	.12
Blue Ointment, USP 25 lb cans			Michler's Ketone, 225 lb bbls.	D		3.75	Double, 400 lb bbls. NY....	D	.10	.11
50%.....	D	.80	Milk, powd. 150 lb bbls.....	D	.14	.15	Oxide, 100 lb kegs NY.....	D	.40	.42
USP, dilute 25 lb cans 30%..	D	.62	Milk Sugar, see sugar of milk				Sulfate, 450 lb bbls		.07	.07%
33 1/3% Mercury.....	D	.67	Mineral Oil, see oil mineral				Nitre Cake, bulk wks.	ton	6.50	8.00
Calomel, 50 lb bxs.....	D	1.25	Monochlorobenzene, see chlorobenzene				500 lb bbls.	ton	9.00	9.75
Citrine Ointment 25 lb jars..	D	.50	Monoethylaniline, 900 lb drs..	D		1.00	Nitrobenzene, crude 1000 lb drs.			
Iodide, green 25 lb jars.....	D	4.00	Monomethyl paramidophenol sulfate				wks	D	.09%	.10%
Red, USP 25 lb jars.....	D	4.10	100 lb drs.	D		4.00	Redistilled, 1000 lb drs. wks.	D	.10	.11
Yellow, USP VIII 25 lb jars..	D	4.00	MORPHINE Sulfate, USP 5 oz. tins				Nitronaphthalene, 550 lb bbls..	D	.20	.21
Red Precip. USP 25 lb bxs....	D	1.38	10 oz.		6.35		Nitrotoluene, mixed 1000 lb drs.			
Powder, USP 25 lb bxs.....	D	1.48	Acetate, 5 oz. tins 10 oz. lots..		6.35		wks.	D	.14	.15
White Precip. USP 25 lb bxs..	D	1.49	Hydrobromide, 5 oz. tins 10 oz.		6.35		Oil Fuel, see Fuel Oil			
Powder, USP 25 lb bxs.....	D	1.54	lots		6.35		OIL MINERAL, wh. 50 gal. bbls. gal		1.00	1.25
With chalk, USP 25 lb bxs....	D	.62	Hydchlide, 5 oz. tins 10 oz.		6.35		OIL Mirbane, see nitrobenzene			
Meta-Nitroaniline, 300 lb bbls.	D	.78	lots		6.35		Opium, see crude drugs			
Meta-Nitro-para-Toluidine, 300 lb			Diacetyl Alk., 1/4 oz. via. 10		10.20		Orange Mineral, 800 lb cans NY..	D	.15%	.16
bbls.	D	2.25	oz.		10.20		500 lb bbls. NY.	D	.15%	.16%
Meta-Phenylenediamine, 300 lb			Hydchlide, 1/2 oz. via. 10 oz.		9.25		Ortho-Aminophenol, 50 lb kegs..	D		2.00
bbls.	D	.90	Ethyl Hydchlide, 1/4 oz. via. 10		10.45		Ortho-Anisidine, 100 lb drs.....	D		
Meta-Toluylenediamine, 300 lb			oz.		10.45		Ortho-Dichlorobenzene, 1000 lb drs.			.08
bbls.	D	.90	Small Sizes: 1/4 oz. vials, 50c extra;				wks.	D	.06	.08
			1/2 oz. 25c extra; single oz. via. 7c ex-				Ortho-Nitrochlorobenzene, 1200 lb			
			tra, over price for 5 oz. tins. 25c.				drs. wks.	D	.18	.20
			lots in 5 oz. tins, 10c or lower than				Ortho-Nitrophenol, 350 lb 3 bbls. D			1.25
			above schedule. Less than 10 oz. lots							
			15c or higher than above schedule.							
			Musk Ambrette, 1 lb cans.....	D	14.50	16.50				
			Ketone, 1 lb cans.....	D	13.00	14.00				
			Xylene, 5 lb cans.....	D	2.75	3.00				

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Chemicals

Ortho-Nitrotoluene, 1000 lb dra. wks. lb	.09	: .10	Para-Phenylenediamine, 350 lb bbls. lb	1.45	: 1.55	Phosphorus, red 110 lb cs. wks. lb	...	: ...
Ortho-Toluidine, 350 lb bbls. lb	.14	: .16	Para-Toluene-Sulfonamide, 175 lb bbls. lb	.40	: .41	Imported, 112 lb cases. lb	...	: ...
Oxgall, USP 5 lb bot. lb	...	: 3.00	Para-Toluene-Sulfonchloride, 410 lb bbls. wks. lb	.25	: .30	Yellow, 110 lb cs. wks. lb	.36	: .40
PALLADIUM, metal 10 oz. lots on 51.00	53.00		Para-Toluidine, 350 lb bbls. wks. lb	.30	: 1.00	Imported, 112 lb cases. lb	...	: .30
Pancreatin, USP 5 lb bot. lb	1.25	: 1.40	PARIS GREEN			Phosphorus Trichloride, 175 lb csl. wks. lb	...	: .45
Papain, 1 lb bot. lb	2.15	: 2.25	Arsenic Basis, 500 lb kegs. lb	.29	: .31	Phthalic Anhydride, 175 lb bbls. lb	.30	: .35
Paraffin, ref'd 200 lb cs. slabs			Kegs, 100 lbs. lb	...	: .33	Pilocarpine Hydrochloride, USP 25 oz. lots, 1 oz. vials. oz	...	: 5.50
120-125 Deg. M. P. lb	.03 3/4	: .03 3/4	Kits, 56, 28, 14 lbs. lb	.32	: .34	Nitrate oz	...	: 5.50
125-130 Deg. M. P. lb	.04	: .04 1/2	Packages, 5 and 2 lbs. lb	.33	: .35	Single ounces oz	...	: 5.75
130-135 Deg. M. P. lb	.04	: .04 1/4	Packages, 1 lb, 3/4, 1/2 lb lb	.35	: .40	Alkaloid, 15 gr. vls. ea	...	: .75
135-140 Deg. M. P. lb	.05	: .06 1/4	Paris White, see whiting, French			Piperazine Hydrate, 1 lb bot. lb	...	: 16.00
Para-Aminoacetanilid, 100 lb kegs. lb	1.05	: 1.15	Pepsin, USP 5 lb bot. lb	2.25	: 2.50	Pitch, Coal-Tar, wks. ton	30.00	: 33.00
Para-Aminophenol, 100 lb kegs. lb	...	: 1.40	PETROLATUM, green 300 lb bbls. lb	.02 3/4	: .03	Plaster Paris, tech. 250 lb bbls. bbl	...	: 3.30
Hydrochloride, 100 lb kegs. lb	...	: 1.65	Dark Amber 300 lb bbls. lb	.03 3/4	: .04	True Dental, 300 lb bbls. bbl	...	: 4.50
Para-Dichlorobenzene, 50-300 lb bbls. wks. lb	.17	: .20	Light Amber, 300 lb bbls. lb	.04 1/4	: .05	Platinum, metal soft 10 oz. lots—oz	...	: 116.00
25-50 lb kegs. lb	.18	: .22	Cream White, USP 300 lb bbls. lb	.07	: .07 1/4	Podophyllin, 5 lb bot. lb	4.75	: 5.50
Paraldehyde, 100 gal dra. lb	...	: .35	Lily White, USP, 300 lb bbls. lb	.09	: .09 1/4	Second Hands lb	...	: ...
Paraformaldehyde, USP 100 lb cs. lb	.52 1/4	: .55	Snow White, USP, 300 lb bbls. lb	.13	: .13 1/4	POTASH, CAUSTIC, solid 88-92% 700 lb dra. wks. lb	.09	: .09 1/4
Para-Nitroacetanilid, 300 lb bbls. lb	.55	: .60	PHENOL, see also acid carboic			Imp., 88-92% 700 lb dra. NY. lb	.07 1/4	: .07 1/4
Para-NITROANILINE, 300 lb bbls. wks. ton lb	.74	: .75	Open market, 950 lb dra. lb	.50	: .52	USP, by alcohol 5 lb cans. lb	.48	: .48
Para-Nitrochlorobenzene, 1200 lb dra. wks. lb	.21	: .30	240 lb des dra. wks. lb	...	: .50	cases lb	.50	: .35
Para-Nitro-ortho-Toluidine, 300 lb bbls. lb	2.75	: 2.85	Natural 240 lb des dra. wks. lb	...	: ...	POTASSIUM Acetate, USP, 100 lb kegs. lb	.28	: .29
Para-Nitrophenol, 185 lb bbls. lb	.75	: .80	Imported, 336 lb des dra. lb	...	: ...	Bicarbonate, crys. 220 lb bbls. lb	.08	: .09
Para-Nitrosodimethylaniline, 120 lb bbls. lb	1.25	: 1.30	Phenolphthalein, USP 100 lb dra. lb	...	: 1.50	Bichromate, crys. 900 lb casks wks. lb	.11 1/4	: .11 1/4
Para-Nitrotoluene, 350 lb bbls. lb	.50	: .60	5 lb cans, 100 lb lots. lb	1.55	: 1.60	Powd., 900 lb casks wks. lb	...	: .13 1/4
Para-oxy-Benzaldehyde, 100 lb kegs. lb	1.50	: 1.60	Phenylacetaldehyde, dom. 1 lb bot. lb	9.00	: 11.00	Binoxalate, 300 lb bbls. lb	.33	: .34
Para-Phenetidin, 500 lb dra. lb	1.55	: 1.80	Imported lb	12.00	: 14.00	Bisulfate, C.P. 5 lb cans. lb	...	: .30
			Phenyl-Alpha-Naphthylamine 100 lb kegs. lb	...	: ...	100 lb kegs. lb	...	: .22
			Phenylethylalcohol, 1 lb bot. lb	8.00	: 9.00	Bromate, 100 lb cs. lb	...	: .45
			Imported lb	8.50	: 10.00	BROMINE, USP cryst. 450 lb bbls. lb	...	: .26
			Phosgene, 100 lb cylinders. lb	...	: 1.00	Granular, 300 lb bbls. lb	...	: .26
			Phosphorus Oxichloride, 175 lb csl. lb	.35	: .40	Cases 100 lb lb	...	: .27
						Imported, USP, 220 lb cs. lb	.18	: .19

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Phthalic Anhydride

WASTE of valuable storage space as well as expensive freight and handling costs are unavoidable when using ordinary grades of Phthalic Anhydride, which occur as long, bulky needle crystals.

We have developed a finely divided crystalline type that is especially suitable for making dyes or alcohol denaturants. It is unsurpassed in chemical purity and far superior in physical structure to any other brand.

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Dyestuffs Department,
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PHTHALIC ANHYDRIDE

Pure Needle Crystals

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HIGHEST DEGREE OF PURITY

NO VARIATION IN QUALITY

The Selden Company

PITTSBURGH, PENN., U. S. A.

Specifications on Request

Chemicals

POTASSIUM—(Continued)

CARBONATE, 80-85% cas.		
800 lb cks. ....	.06½	.06%
80-85%, hydrated, 800 lb. cks. ....	.07½	.07%
90-95% casks ....	.07	.07%
96-98% casks ....	.07½	.07%
99% casks ....	.09½	.10
USP, 100 lb kegs ....	.11	.12
Chlorate, crys. 112 lb kgs. c/l wks. ....	.08½	.08%
Imp. 112 lb kegs NY ....	.07½	.08
Powd., 112 lb kegs wks ....	.08½	.08%
Imp. kegs NY ....	.07½	.08
Pyrotechnic, fine powd. NY ....	.08	.09
USP, fine crys. 110 lb kegs NY ....	.08	.09
Citrate, USP 10 lb cans ....	.63	.66
Cyanide, 110 lb cases ....	.45	.50
Glycerophosphate, 75% Soln. 25 lb tins	1.65	1.70
Guaiaecol Sulfonate, 5 lb cans, 10 lb	1.50	1.75
Hypophosphite, 10 lb cans ....	...	.85
Iodide, USP, 100 lb cases	3.75	3.85
Second Hands, cases ....	...	3.65
Lactophosphate, 4 oz bot. ....	...	.90
Metabisulfite, 300 lb bbls. ....	...	.23
Imp., 300 lb bbls. ....	.14	.16
Muriate, 80%, 200 lb bags, NY K ₂ O unit ....	...	.68
Nitrate, see Saltpetre		
Oralate, neutral, 100 lb kegs ....	.40	.45
Perchlorate, 112 lb kegs ....	.09	.10
Pernangan, USP, crys. 112 lb drs. ....	.17	.17½
Prussiate, red, 100 lb bbls. ....	...	.74
500 lb casks ....	...	.70
Prussiate, yellow, 500 lb casks. ....	.35	.36
Salicylate, 25 lb cans ....	.70	.73

POTASSIUM—(Continued)

Sulfate, 200 lb bags, NY K ₂ O unit ....	.93
USP, VIII, 100 lb kegs ....	.18
Sulfocyanide, CP 25 lb jars ....	.70
Tartrate, neutral, 100 lb kegs. ....	.53
Titanium Oxalate, 200 lb bbls. freight allowed ....	.35
Pumice Stone, lump, 250 lb bbls. ....	.04½
Lump, bags ....	.03½
Powdered, 350 lb bbls. ....	.02½
Pyridine, 50 gal. drums. gal	4.00 : 4.50
QUICKSILVER, see Mercury	
Quinidine Alk., 100 oz tins ....	.70
Sulfate, 100 oz tins ....	.50
Quinoidine, see Chinoidin	
QUININE SULFATE, USP,	
American, 100 oz tins ....	.50
1 oz tins, 100 oz lots ....	.57
Dutch, 100 oz tins ....	.50
Java, 100 oz tins ....	.50
Japanese, 100 oz tins ....	.50
QUININE ALK., USP, 100 oz tins. ....	.67
Acetate ....	.88
Arsenate ....	.88
Benzoate ....	.88
Bisulfate, USP ....	.50
Citrate ....	.62
Dihydride, USP ....	.66
Dihydride ....	.66
Dicarbonate, 10 oz tins	2.50
Ethyl Carbonate, 16 oz tins. ....	.95
Ferrocyanide ....	.88
Formate ....	.85
Glycerophosphate ....	.88
Iodide ....	.88
Hydrobromide, USP ....	.62
Hydrochloride, USP ....	.62
Hydrochlorosulfate ....	.66

QUININE—(continued)

Hydride & Urea, USP ....	.88
Hypophosphite ....	.83
Lactate ....	.78
Phenolsulfonate ....	.88
Phosphate ....	.74
Salicylate, USP ....	.63
Tannate, USP ....	.45
Tartrate ....	.88
Valerate ....	.89
Small Sizes: 1 oz vials or cans, 50 oz lots, 5c oz extra; 5 oz cans, 50 oz lots 3c oz extra; 25 oz cans, 50 oz lots, 2c oz extra; single 1 oz vials or cans, 5c extra. All minor quinine salts sold and quoted basis 100 oz lots in 100 oz cans. Sulfate and bisulfate sold basis 100 oz lots in 100 oz cans. Smaller orders or containers extra as above schedule.	
R SALT, 250 lb bbls. wks. ....	.55 : .70
Red Lead, see lead oxide	
Red Precipitate, see mercury.	
Resorcin, see resorcinol.	
Resorcinol tech. 100 lb kegs	1.50 : 1.55
USP, 25 lb cans	2.25 : 2.35
Rochelle Salt, USP, 225 lb bbls. ....	.21
Imp. USP, 300 lb bbls. ....	.19½ : .20
Rosewater, triple, 5 gal. demis. gal	.90 : 1.10
Rotten Stone, lump imp., bbls. ....	.07 : .08
Lump selected, bbls.09 : .13
Powdered, bbls.02 : .05
Domestic, bags, mines. ton	24.00 : 30.00



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SWITZERLAND

Caffeine Citrate, U. S. P.
Terpin Hydrate, U. S. P.

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Chemicals

SACCHARIN , USP, 1 lb cans, 25 lb D 1.90 : 2.00 Soluble, USP, 1 lb cans, 25 lb. D 1.90 : 2.00 Safrol, 60 lb cans D .55 : .60 Sal Ammoniac, see Ammon. Chloride Salicin, USP, 1 lb cartons, 25 lb. D 5.00 : 5.25 Salol, USP, 100 lb drums..... D .85 : .90 Salt, Common, see sodium chloride. Salt Cake, c/l f.o.b. wks. ton : 25.00 SALTPETRE , Double Refined Granular, 400-500 lb bbls., c/l wks. : .06½ Less c/l works, bbls..... w : .06½ Large Crystals, 350-400 lb bbls., c/l wks. : .08 Small Crystals, 350-400 lb bbls. c/l wks. : .07½ Powdered, bbls. c/l wks..... D : .07½ Imported, 500 lb bbls., NY..... D : .07 Santonin USP, 1 lb bot..... D 175.00 : 177.00 Powd, 1 lb bot..... D 176.50 : 178.50 Saponin, ex Quillaja, 5 lb tins... D 1.25 : 1.56 Schaeffer's Salt, 250 lb bbls.wks. D .60 : .65 Saponin, ex Quillaja, 5 lb tins... D 1.00 : 1.25 Satin, White D .01½ : .02 Selditz Mixture, 225 lb bbls.... D .17 : .18 SILICA Crude, bulk, mines..... ton 10.00 : 12.00 Refined, floated, bags..... ton 18.00 : 30.00 Air floated, bags..... ton 32.00 : 50.00 Extra, floated, bags..... ton 55.00 : 65.00 SILVER , metal, American..... oz : .99½ Foreign : .65½ Colloidal, 16oz bot..... oz : 2.80 Silver Iodide, 16oz bot..... oz : .68 Nitrate, USP, 200oz bot..... oz .44½ : .45½ Nucleinate, 16oz bot..... oz .32 : .37 Proteinates, 16oz bot..... oz .34 : .39 Soap , Castile, 40 lb bxs..... D .20 : .25 Powd. USP, 250 lb bbls..... D .28 : .29 Green, USP, 150 lb kegs..... D .07 : .07½ Soapstone, see Talc, crude Prices on soda alkalies are based on actual percentages and not N. Y. & L. test. SODA ASH , 58% light bags NY flat, ex-warehouse 100 lb : 2.00 Bbls., ex-warehouse. 100 lb : 2.25 Contract, Basis 48% bags c/l wks 100 lb : 1.20 Prompt and spot, Basis 48% bags c/l wks 100 lb 1.25 : 1.30 Soda Ash, 58% dense, bags ex- warehouse, NY 100 lb : 2.07 Bbls., ex-warehouse. 100 lb : 2.30 Contract, Basis 48% bags c/l wks 100 lb : 1.25 Pmpt. and spot, Basis 48% bags c/l wks 100 lb 1.30 : 1.35 SODA, CAUSTIC , 76% solid, resale, NY flat 100 lb 3.50 : 3.60 76% solid drs. ex-warehouse NY 100 lb : 3.70 Contract basis 60% c/l wks 100 lb : 2.50 Pmpt and spot, Basis 60% c/l wks 100 lb 2.57½ : 2.60 Contract 60% low grade c/l wks flat 100 lb : 2.65 Ground & flake, 76% pmpt and spot, wks c/l drs..... 100 lb : 3.65 Contract, 76% drums, c/l wks flat 100 lb : 3.60 76% drs. ex-warehouse NY 100 lb : 4.15 USP, stick, 10 lb cans..... D .19 : .21 Pure, stick, by alcohol..... D .25 : .27 SODIUM ACETATE , crys 450 lb bbls wks. : .05½ : .05½ Ton lots, bbls. wks..... D : .05½ Imp. 500 lb casks..... D : .05½ Aluminum Sulfate, see alum soda. Benzonate, USP, 100 lb bags... D .65 : .68 Bicarbonate, 400 lb bbls NY 100 lb : 2.25 Bbls. c/l wks..... 100 lb : 2.00 112 lb kegs wks..... 100 lb : 2.25 112 lb kegs, NY..... 100 lb : 2.50 Bichromate, 600 lb casks wks... D .08½ : .08½ Casks, c/l wks..... D : .08½ Casks, NY D : .08½ Bisulfite, dry powder, 500 lb bbls., wks. : .04½ Solution, 32-40°, 500 lb bbls wks. 100 lb 1.25 : 1.75 Bromate, 100 lb cs..... D : 1.05 Bromide, USP, 500 lb bbls..... D : .25 Cases, 100 lb D : .26 Imp. USP, 112 lb cs..... D .21 : .22 Cacodylate, USP, 5 lb bot, 25 lb D 6.00 : 6.25 Carbonate, sal soda, 350 lb bbls c/l NY 100 lb 1.30 : 1.35 Works c/l 100 lb 1.10 : 1.30 Monohydrate, 400 lb bbl. c/l 100 lb : 2.45 Pure photographic, 100 lb keg D .08 : .09 Chlorate, 112 lb kegs, wks... D .06½ : .07 Imported, 112 lb kegs..... D : .06½ Chloride, tech. 200 lb bags... ton 12.00 : 13.00 C. P. 300 lb bbls..... D .05 : .06 Citrate, USP, IX, 100 lb kegs. D : .62 USP, VIII, 100 lb kegs... D : .55 Cyanide, 96-98%, 100 lb cases wks. : 23 Ton lots, wks..... : 23 73-76%, 100 lb cases, wks. D : .20½ Imp. 128%, 200 lb cases... D .21½ : .22 120%, cases D .20 : .20½ Fluoride, 350 lb bbls, NY imp. D : .09½

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DIAMOND ALKALI COMPANY

PITTSBURGH, PENNSYLVANIA

Chemicals

SODIUM—(Continued)


Glycerophos, USP, crys 25 lb cans	1.70	: 1.75
Powder, 25 lb tins	1.75	: 1.80
Solution, USP 25 lb tins	1.00	: 1.05
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb chys. lb .....	...	: .05
14 1/2% soln., 50 lb chys. lb .....	...	: .04
Hydroxide, 200 lb bbls, fob, wks. lb .....	.19	: .22
Hypophosphite, USP, 25 lb cans lb .....	...	: .75
HYPOSULFITE, tech. pea crys., 375 lb bbls. wks. 100 lb	2.90	: 3.30
Bbls. c/l wks. 100 lb .....	...	: 2.75
100 lb kegs wks. 100 lb	3.00	: 3.60
Granulated, bbls. wks. 100 lb	3.15	: 3.55
Bbls. c/l wks. 100 lb .....	...	: 3.00
Kegs wks. 100 lb	3.25	: 3.85
Regular crystals 100 lb	2.85	: 2.90
Iodide, USP, 25 lb jars .....	...	: 4.25
Metanilate, 150 lb bbls. lb .....	.55	: .60
Naphthionate, 300 lb bbls. lb .....	.60	: .62
Nitrate, crude, 95%, 200 lb bgs c/l NY .....	...	: 2.58
Futures, NY .....	...	: 2.50
Double Refined, 400 lb bbls gran. c/l wks. 100 lb .....	...	: .04 1/4
Nitrite, 500 lb bbls. wks. 100 lb .....	...	: .07 1/4
Bbls. spot, makers. 100 lb .....	...	: .07 1/4
Imp. 650 lb casks. 100 lb .....	...	: .07 1/4
Ortho-Chloro-para-Toluene Sulfonate, 175 lb bbls. wks. 100 lb .....	.25	: .27
Oxalate, neutral, 100 lb kegs. lb .....	...	: .47
Perborate, 275 lb bbls. lb .....	...	: .24
Imp., 225 lb drs. 100 lb .....	.18	: .19
Peroxide, 200 lb cases. 100 lb .....	.25	: .27
Phosphate, di-sodium, tech 550 lb bbls. 100 lb .....	.03 1/4	: .03 1/4
USP, gran. 275 lb bbls. 100 lb .....	.07	: .07 1/4
Imp. gran. 100 lb .....	.05 1/4	: .06
USP, recrys 275 lb bbls. 100 lb .....	.10	: .11
Mono-sodium 100 lb kegs. lb .....	.24	: .26
Tri-sodium tech. c/l, bbls. lb .....	.04 1/4	: .05
Picramate, 100 lb kegs. 100 lb .....	...	: .60

SODIUM—(Continued)

Para-Toluene Sulfonate, 175 lb bbls .....	.08	: .09
PRUSSIAN, yellow, 450 lb cks. lb .....	.15	: .15 1/4
250 lb bbls. lb .....	...	: .16
Pyrophosphate, 100 lb kegs. lb .....	.18	: .22
Sulfolate, 100 lb kegs. lb .....	.47	: .57
Second Hands, USP, kegs. lb .....	.48	: .50
Sulfate, 60° 700 lb bbls. f.a.s. NY .....	...	: 2.00
Works, 1000 lb drums. 100 lb .....	...	: 1.90
Works, tanks. 100 lb .....	...	: 1.75
40° domestic. 700 lb c/l f.o.b. wks. 100 lb .....	...	: .80
Works, 1000 lb drums. 100 lb .....	...	: .82 1/4
Works, tanks. 100 lb .....	...	: .75
Spot, drums, bbls. 100 lb	1.30	: 1.50
Silicofluoride, 450 lb bbls. NY. lb .....	.07 1/4	: .07 1/4
Sulphate, see Glauber's Salt.		
Sulfide, 60% solid, 650 lb drs lb/l wks. 100 lb .....	.05	: .05 1/4
Drs. c/l wks. 100 lb .....	...	: .04 1/4
Imp. 700 lb drs. NY. 100 lb .....	.03 1/4	: .04
60% broken. 650 lb drs wks. lb .....	.05	: .05 1/4
Imp, 500 lb drs NY. 100 lb .....	.04 1/4	: .04 1/4
30% crys. 400 lb bbls. wks. lb .....	.02 1/4	: .02 1/4
Imp., 400 lb bbls. 100 lb .....	.02 1/4	: .02 1/4
Sulfite, crys, 400 lb bbls wks. lb .....	.03 1/4	: .03 1/4
Dessicated, 400 lb bbls. lb .....	.09 1/4	: .10
Sulfocarbonate, USP, 100 lb kegs .....	.36	: .38
Sulfocyanide, 400 lb bbls. lb .....	.45	: .47
Tungstate, crys 100 lb kegs. lb .....	...	: .55
Dessicated, kegs .....	...	: .65
olvent Naptha, see Naphtha.		
Sparteine Sulfate, USP. 25oz bulk. oz .....	.60	: .70
Single oz. vial. oz. .....	...	: .60
Starch. rice, 140 lb bags. lb .....	.09	: .10

STRONTIUM Bromide, USP, 100 lb

kegs .....	...	: .38
Carb. 600 lb bbls. wks. lb .....	...	: .07
100 lb kegs wks. lb .....	...	: .08
Iodide, USP, 25 lb jars. lb .....	...	: 4.00
Nitrate, 600 lb bbls. wks. lb .....	...	: .11 1/4
Imp., bbls. NY. 100 lb .....	...	: .12 1/4
Sulfolate, USP, 100 lb kegs. lb .....	...	: .85
STRYCHNINE Alkaloid, USP, crys 100oz tins .....	...	: 1.15
Alk. powd, USP. 100 lb .....	...	: 1.65
Acetate .....	...	: 1.05
Glycerophosphate, USP .....	...	: 1.05
Hydrobromide .....	...	: 1.05
Hydrochloride .....	...	: 1.05
Hypophosphite .....	...	: 1.15
Nitrate, USP .....	...	: 1.05
Phosphate .....	...	: 1.05
Sulfate, USP, crys powd. oz. .....	...	: .84
Saccharinate .....	...	: 2.15
Strychnine preparations quoted bases 100oz lots in 100oz tins. Small Sizes: 1/4oz vials, 50c extra; 1/2oz vials, 25c extra; single ounce vials, 7c extra. Lots of 25 oz. 5c higher than above schedule. Lots of less than 25 oz. 10c higher per oz.		
Sugar Milk, USP, 200 lb bbls. lb .....	.21	: .22
Second Hands, USP, bbls. lb .....	.23	: .24
Sulfonal, see Sulfonmethane.		
Sulfonmethane, USP, 5 lb bbs. lb .....	...	: 3.50
Sulfonethylmethane, USP, bbs. lb .....	...	: 4.50
SULFUR, crude, bulk, c/l NY. ton .....	...	: 19.00
Crude, f.o.b. mines. ton	14.00	: 15.00
Brimstone, 250 lb bgs, c/l 100 lb	1.75	: 1.95
Less c/l bags NY. 100 lb	1.85	: 2.10
Roll, 500 lb bbls c/l NY. 100 lb .....	...	: 2.15
Less c/l bags NY. 100 lb	2.20	: 2.45
Flour, Heavy, 280 lb bbls, 100 lb	2.50	: 3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	: 3.15
Rubbermakers 100%, 240 lb bbls. NY. 100 lb	2.60	: 3.15



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SINCE 1881

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SOLVAY products are sold on the basis of *Actual Alkali content*
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 SOLVAY 76% Caustic Soda Contains 76% of *Actual sodium oxide*
 Specify SOLVAY—the standard in SODA since 1881

THE SOLVAY PROCESS COMPANY

Detroit, Mich. Syracuse, N. Y.
Hutchinson, Kans.

Chemicals

SULFUR—(continued)

Commercial, 99%, 150 lb bgs		
NY	1.35	1.65
For Disting, 99%, 100 lb		
bgs NY	2.00	2.50
Flowers, 100%, 240 lb bbls		
NY	3.00	3.55
Precipitated, 125 lb bbls NY	.14	.14
Lac, 125 lb bbls NY	.07	.10
Sulfur Chloride, red, 700 lb drs		
wks	.05	.05
150 lb chys wks	...	.06
Yellow, 700 lb drs, wks	.05	.08
150 lb chys, wks	...	.08
Sulfur Dioxide, 100 lb cyl	.08	.08½
Iodide, USP, VIII, 5 lb bot	...	4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs	...	.70
TALC, Italian, 220 lb bags NY	35.00	40.00
Refined, white, bags	42.00	55.00
French, 220 lb bags NY	25.00	30.00
Refined, white, bags	32.00	45.00
Dom, crude, 100 lb bags NY	15.00	18.00
Refined, 100 lb bags NY	20.00	30.00
Tartar Emetic, tech, 700 lb bbls	.27	.27½
USP, 300 lb bbls	.34½	.35½
Terpin Hydrate, USP, 100 lb kegs	.70	.72
Terpineol, CP 1000 lb drums	.50	.55
Cans, 50 lb	.55	.57
Imported, cans, 25 lb	1.00	1.25
Terpenyl Acetate, 25 lb cans	1.65	1.85
Terra Alba, No. 1, 300 lb bbls	1.85	1.90
No. 2, bbls	1.25	1.35
Theobromine ALK, 5 lb cans	...	6.00
and Sod. Salicylate, 1 lb bot	...	4.00
Thiocarbamid, 170 lb bbls	.28	.30
Thymol, USP, 10 lb cans	3.25	3.50
Iodide, 5 lb boxes	...	6.75
TIN, Metal Straits, NY	...	40.62
American standard, NY	...	40.25
99% American, NY	...	40.25
C.F. money, 25 lb bxs NY	...	...

Tin—(continued)

Bichloride, 50% soln 100 lb		
bbls, wks	...	.12½
Crystals, 500 lb bbls, wks	...	.34½
100 lb kegs, wks	...	.35
Oxide, 400 lb bbls, wks	...	.48
100 lb kegs, wks	...	.50
Tetrachloride, 1000 lb drs, wks	...	.26
Tellurine, 350 lb bbls	.95	1.00
Sulfate, 350 lb bbls	...	1.00
Toluene, 8000 gal tank cars, wks, gal	.29	.30
110 gal drs wks	.34	.35
Toluidine, Mixed, 900 lb drs, wks	.31	.32
Tribromphenol, 100 lb cases	...	1.00
Trisinal, see Sulfonethylmethane		
Triphenyl Phosphate, 450 lb bbls	...	.60
Tripoli, 500 lb bbls	2.50	3.00
Tungsten NY	...	8.25
UREA, pharm 112 lb cases	...	.40
VANILLIN, USP, 400 oz cans	.41	.41½
Cans, 80 ozs	...	.41½
Cans, 16 ozs	...	.42½
Vermilion, Amer. 100 lb kegs	...	.35
English, kegs	...	1.30
Veratrine Sulfate, 1 oz vial	...	2.50
Hydrochloride, 1 oz vial	...	2.50
Veronal, see Acid Diethylbarbituric		
WHITE LEAD, see lead, white		
White Precipitate, see mercury		
Whiting, 200 lb bags, c/l wks, ton	14.00	16.00
Bags, lc/1 NY	...	22.50
Gilders, bags, NY	13.50	15.00
French, bags, NY	...	18.00
English, bags, NY	...	23.00
Witch Hazel Extract, 50 gal bbls, gal	1.20	1.25

XYLENE, 2° dist range, nitration

ths, wks	...	...
110 gal drs, NY	...	1.00
5° dist. range, 8000 gal tanks		
wks	...	...
110 gal drs, wks	...	...
Commercial, 110 gal drs, wks, gal	...	...
Tanks, wks	...	...
Xylidine, 900 lb drs	...	.50
YARA YARA, 1 lb tins	2.00	2.50
Yohimbin Hydride, 1 oz. vial	5.00	5.50
ZINC, METAL, high grade, slabs		
c/l NY	...	9.00
Common Slabs, c/l NY	6.35	6.40
Mossy, 25 lb bxs NY	...	.16
Ammonium Chloride, powd., 400 lb		
bbls	.07½	.08
Carb. tech, 150 lb kegs NY	...	.18
USP, 100 lb kegs	...	.30
Chloride, fused, 600 lb drs, wks	...	.08
Drs, c/l wks	...	.05½
Imp. drs NY	...	.06
Granulated, 500 lb bbls, wks	.08	.09
Imported, drs, NY	.06½	.07
USP, 25 lb jars	...	.25
Cyanide, 100 lb drs	.42	.43
Dust, 100 lb tins wks	.09½	.10
500 lb bbls, kegs, lc/1 wks	...	.09
500 lb bbls, kegs, c/l wks	...	.08
Iodide, 5 lb bottles	...	5.30
Nitrate, 25 lb jars	...	.35
Oxide, Amer. 300 lb bbls, wks	.08½	.09
Bbls c/l wks	.08½	.08½
French, 300 lb bbls wks	.10½	.12½
Bbl c/l wks	.10	.12
Bags, c/l wks	.09½	.10½
USP, 100 lb bbls, c/l	...	.16
Ton lots, wks	...	.17
Imported, white seal, bbls	...	.12½
Green seal, bbls	...	.10
USP, 100 lb bbls	.15	.17
Stearate, USP, 60 lb bbls	...	.23
Sulfate, 400 lb bbls, wks	.03½	.03½
Bbls c/l wks	...	.02½
USP, 100 lb kegs	...	.08
Sulfocarbonate, 100 lb kegs	.35	.37

NITRATE POTASH

DOUBLE REFINED CRYSTALS
GRANULATED OR POWDERED



BATTELLE & RENWICK

Estb. 1840

Incp. 1902

80 Maiden Lane, New York, N. Y.

*Barrett
Standard*

Pure Benzol
Pure Toluol
Benzol 90%
Nitration Xylol
Commercial Xylol
Solvent Naphtha
Extraction Benzols
Denaturing Benzols
Special Fractions of
Coal Tar Light Oils

For shipment in tank cars or
one hundred gallon drums.

The *Barrett* Company

40 Rector Street  New York, N. Y.

Oils and Fertilizers

Oils

Castor , No. 1, 400 lb bbls.....lb	.14½	.15	LINSEED , raw c/l bbls. spot....gal	1.12	SOYA BEAN , crude tks. Coast....lb	...	.13
80 lb cases.....lb	.15½	.16	Five bbls., raw.....gal	1.15	Crude, Tks. D.P., NY.....lb	.10½	.10½
No. 3, bbls.....lb	.14	.14½	Boiled, 5 bbl. lots.....gal	1.17	Crude, bbls., NY.....lb	...	.13
Blown, 400 lb bbls.....lb	...	.15½	Double boiled 5 bbl. lots....gal	1.19	Sperm, 38° c. t. bichd. bbls., NY.gal	...	.94
China Wood , bbls., spot NY.....lb	...	.27	Raw, 1c/l bbls.....gal	1.15	45° cold test, bichd. bbls., NY.gal	...	.89
8000 gal. tks. NY.....lb	...	.26	June, c/l bbls.....gal	1.15	STEARIC ACID , s. p. 200 lb bags..lb	.13	.13½
June-July, forward, China.....lb	...	.24½	July, Aug., Sept., c/l bbls..gal	1.08	Double pressed, bags.....lb	.13½	.13½
Coast, tanks, July forward.....lb	...	.23	Imported, bbls., NY.....gal	1.05	Double pressed, bags, saponified..lb	.13½	.13½
Cocunut Ceylon, 375 lb bbls., NY..lb	.10	.10½	Menhaden, crude, bbls., wks....gal	...	Triple pressed, bags, distilled..lb	.14½	.15
8000 gal. tanks, NY.....lb	...	.08½	Crude, tanks wks. Balt.....gal	.48	Triple pressed, bags, saponified..lb	.14½	.15
Cochin, 375 lb bbls., NY.....lb	.10½	.11	Light strained, tanks.....gal	...	Stearine, oleo, bbls.....lb	...	.08½
Manila, tanks, P. Coast.....lb	.09½	.09½	Light strained, bbls., NY.....gal	...	Lard, bbls.....lb	...	.13
Edible, bbls., NY.....lb	.11	.11½	Yellow bleached, bbls., NY.....gal	...	Tallow, edible, tierces.....lb	...	.09½
Cod Newfoundland, 50 gal. bbls.gal	.70	.72	Blown, bbls., NY.....gal	.92	City extra, loose.....lb	...	.07½
Tanks, NY.....gal	...	...	Neatsfoot, 20° c.t. bbls., NY.....lb	.16½	Tallow Oil, acidless tks., NY.....lb	...	.11½
Copra , bags.....lb	...	.05½	30° cold test, bbls., NY.....lb	.15½	Bbls., c/l NY.....lb	...	...
Coen , ref. 375 lb bbls. NY.....lb	.13½	.13½	Prime, bbls., NY.....lb	.14½	Walnut, crude bbls., NY.....lb	...	.75
Crude, tanks mills.....lb	.09	.10	Oleo Oil, No. 1, bbls., NY.....lb	.12	Whale, nat. winter bbls., NY.....lb	...	.78
Bbls., NY.....lb	...	.13	No. 2, bbls., NY.....lb	.11	Bichd. winter bbls., NY.....gal	.78	.78
COTTONSEED , crude tks. mills..lb	...	.13	No. 3, bbls., NY.....lb	.09½	Extra Bichd. bbls., NY.....lb	.79	.81
P. S. Y. 100 bbl. lots NY.....lb	...	.11½	OLIVE , denatured bbls., NY.....gal	1.17	Crude, No. 1, tanks Coast.....lb	...	...
White, 100 bbl. lots NY.....lb	...	.11½	Edible, bbls., NY.....gal	1.80	Crude, No. 2, tanks Coast.....lb	...	...
Winter yellow, 100 bbls., NY..lb	...	.12	Foots, bbls., NY.....lb	.08½	Crude No. 3, tanks Coast.....lb	...	...
Degras , Amer. 50 gal. bbls., NY..lb	.04½	.04½	Shipment.....lb	.09	...	...	...
English, bbls., NY.....lb	.04½	.04½	Palm Lagos, 150 lb casks.....lb	.07½	...	...	...
Neutral, bbls., NY.....lb	.09	.14	Niger casks.....lb	.07½	...	...	...
Greases , choice white, bbls., NY..lb	.08½	.09	Bonny old Calabar, casks.....lb	...	...	...	...
Yellow.....lb	...	.06½	Palm Kernel, 1500 lb casks NY..lb	.09½	...	...	...
Brown.....lb	...	.06½	Peanut, refined bbls., NY.....lb	.16½	...	...	...
House.....lb	...	.06½	Crude, mills buyers' tks.....lb	...	...	...	...
Bone naphtha.....lb	...	.06½	Crude, bbls., NY.....lb	.12	...	...	...
Herring , Tanks, Coast.....gal	...	.10	Perilla, bbls., NY.....lb	.16½	...	...	...
Horse, 375 lb bbls., NY.....lb	...	.12½	June, ship, bbls., NY.....lb	.15½	...	...	...
LARD , prime steam bbls.....lb	...	.13½	Poppseed, bbls., NY.....gal	2.20	...	...	...
Compound, bbls.....lb	...	.14½	Rapeseed, refined bbls., NY.....gal	.84	...	...	...
LARD OIL , Edible prime, bbls...lb	...	.12½	Blown, bbls., NY.....gal	1.00	...	...	...
Off prime, bbls.....lb	...	.12½	Red Oil, distilled, bbls.....lb	.09½	...	...	...
Extra bbls.....lb	...	.12½	Saponified, bbls.....lb	.09½	...	...	...
Extra No 1, bbls.....lb	...	.12	Salmon, 8000 gal. tks. Coast..gal	...	...	...	...
No. 1 bbls.....lb	...	.11½	Sesame, domestic edible bbls....gal	1.05	...	...	...
No. 2 bbls.....lb	...	.11	Sod Oil, bbls., NY.....gal	.45	...	...	...

Fertilizer Materials

Ammon. Sulf. bulk wks.....100 lb	3.20	
Double bgs, f.a.s. NY.....100 lb	3.50	3.60
Blood, dried f.o.b. NY.....unit	...	3.75
Bone, 3 & 50 ground steamed..ton	...	28.00
Raw, Chicago.....ton	...	30.00
Cyanamide wks.....unit	2.20	2.25
Fish Scrap, dried wks.....unit	...	4.00
NITRATE SODA , NY.....100 lb	...	2.45
Phosphate Rock, f.o.b. mines,		
Florida pebble, 68-78%.....ton	3.25	5.50
Tennessee, 70-75%.....ton	3.25	3.40
Phosphate Acid, 16% Bulk wks..ton	...	9.00
Potassium Murate, 80%.....unit	...	.68
Sulfate.....unit	...	.93
Steamed Bone Meal, NY.....ton	...	35.00
Tankage, ground, NY.....unit	...	3.50
High grade f.o.b. Chicago.....unit	...	3.25



SULPHURIC ACID, C. P.

Spec. Grav. 1.84 9 lbs.

THE STANDARD OF PURITY

Acidity	95% H ₂ SO ₄
Fe	.00002%
HCl	"Nil"
As	.0000025%
Nitrogen	"Nil"
Nonvolatile	.0006%

GENERAL CHEMICAL COMPANY
BAKER AND ADAMSON WORKS
EASTON, PENNSYLVANIA

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Works: GARFIELD, N. J.

Tannins and Dyestuffs

Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.....gal	1.05
Wood Turpentine, stm. distd. bbls.gal	.98
Destructive distilled, bbls.....gal	.68
Pine Oil, stm dist'd, bbls.....gal	.70
Fitch, prime.....bbl	6.00
Rosins (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)	
B.....280 lb	5.80
D.....280 lb	5.85
E.....280 lb	5.85
F.....280 lb	5.95
G.....280 lb	5.95
H.....280 lb	5.95
I.....280 lb	6.00
K.....280 lb	6.00
M.....280 lb	6.00
N.....280 lb	6.25
WG.....280 lb	6.75
WW.....280 lb	7.50
Rosin Oil, first run, 50 gal. bbls.gal	.47
Second run, bbls.....gal	.49
Tar, kiln-burnt.....bbl	13.50
Retort.....bbl	12.50

Woods

Barwood, chips.....lb	.04%	.05
Camwood, chips.....lb	.09	.13
Divi Divi, pods 100-200 lb bags.ton	38.00	40.00
Fustic, sticks.....ton	30.00	35.00
Chips.....lb	.04	.06
Hemlock, bark.....ton		20.00
Hyperic, chips.....lb	.06%	.07
LOGWOOD, sticks.....ton	28.00	30.00
Chips 150 lb bags.....lb	.02%	.03
Mangrove bark, African.....ton		33.00
Bark, South American.....ton	25.00	30.00

Myrobalans, 150 lb bags J1.....ton	33.00
B1.....ton	35.00
B2.....ton	27.00
Nutgalls, see Crude Drugs	
Oak bark, whole.....ton	20.00
Ground.....ton	25.00
Quercitron bark, rough.....ton	10.00
Ground.....ton	20.00
Sumac, Sicily, 160 lb bags.....ton	76.00
Virginia, 150 lb bags.....ton	35.00
Valonia Caps. 28-33% tan.....ton	34.00
Beard, 40% tan, 150 lb bags.ton	56.00
Wattle bark, 150 lb bags.....ton	35.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine.....lb	.26	.29
Archil, double 600 lb bbls.....lb	.18	.18
Triple, 600 lb bbls.....lb	.17	.19
Conc., 600 lb bbls.....lb	.14	.20
Chestnut, clarified, 25% tins. wks.ton	.03	.03%
Bbls., wks.....lb	.03%	.04
Powd., 60% 100 lb bbls. wks.ton	.08	.08%
Decolorized, bbls. wks.....lb	.09	.09%
Codbear, English.....lb	.21	.23
Cutch, Rangoon, 100 lb bales.....lb	.13	.16
Borneo, solid, 100 lb bales.....lb	.04%	.05%
Liquid, 450 lb bbls.....lb	.10	.11
Tablets, 120 lb boxes.....lb	.13	.14
Flavine.....lb	.90	.95
Fustic, solid 50 lb boxes.....lb	.14	.18
Crystals, 100 lb boxes.....lb	.22	.24
Liquid, 51%, 600 lb bbls.....lb	.10	.14
Gal extract.....lb	.16	.18
Gambier, 25% liq. 450 lb bbls.....lb	.08%	.09%
Common, 200 lb cases.....lb	.10%	.11
Singapore cubes, 150 lb bags.....lb		
NEMATINE, Paste, 500 lb bbls.....lb	.11%	.13%
Crystals, 400 lb bbls.....lb	.16	.20
Hemlock, 25% 600 lb bbls. wks.ton	.08%	.03%
Hyperic, 51%, 600 lb bbls.....lb	.15	.20
Indigo, Madras bbls.....lb	.85	.90
Manila, bbls.....lb		1.80

Larch, 25%, 600 lb bbls. wks.ton	.03%	.03%
Powd. 100 lb bags. wks.....lb	.07%	.08
Logwood, 51%, 450 lb bbls.....lb	.07%	.12%
Solid, 50 lb boxes.....lb	.15	.21
Madder, Dutch.....lb	.28	.30
Mangrove, 55% 400 lb bbls.....lb	.05%	.05%
Myrobalans, 25% liquid bbls.....lb	.04	.05
50% solid, 50 lb boxes.....lb	.04%	.05
Oak tanks wks.....lb	.04	.04%
25-25% liq. 600 lb bbls. wks.ton	.05	.05%
Osage Orange, 50% liquid.....lb	.07	.08
Powd. 100 lb bags.....lb	.15	.18
Persian Berries.....lb	.27	.30
QUEBRACHO, 35% liquid tins.ton	.03%	.04
450 lb bbls.....lb		.04%
35% bleaching, 450 lb bbls.....lb	.04%	.05%
Solid 65% 100 lb bales.....lb	.05	.05%
Clarified bales.....lb		.06
Quercitron, 51% 450 lb bbls.....lb	.08%	.07%
Powdered, 100 lb boxes.....lb	.09	.13
Spruce, 25% liquid tanks wks.ton	.01	.01%
Powd. 50% 100 lb bags wks.ton	.02	.02%
Sumac, liquid 450 lb bbls.....lb	.07	.09

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs.ton	1.10	1.18
Blood, domestic, 100 lb drs.ton	.45	.55
Spray Yolk 150 lb cs.....lb	.45	.65
British Gum, 140 lb bags c/l 100 lb		4.24
Bags, lc/l.....100 lb		4.34
Dextrin, corn 140 lb bags c/l 100 lb		3.79
Bags, lc/l.....100 lb		3.89
Yellow, bags c/l.....100 lb		3.84
Potato 140 lb bags c/l.....lb		.07
Bags, lc/l.....100 lb		.07%
Tapioca, 200 lb bags, lc/l.....lb		.09%
Prussian blue.....lb	.60	.62
Sago Flour, 150 lb bags.....lb	.04%	.05
STARCH, powd. 140 lb bags c/l 100 lb		3.22
Bags, lc/l.....100 lb		3.32
Pearl, 140 lb bags c/l.....100 lb		3.12
Potato, domestic, 200 lb bags.....lb	.04%	.05
Imported, bags duty paid.....lb	.05	.05%
Tapioca Flour, high grade bags.....lb	.06	.06%
Medium grade, bags.....lb	.05	.05%
Low grade, bags.....lb	.04%	.04%
Turkey Red Oil, bbls.....lb	.11	.12
Yolk Oil, bbls.....lb		.35

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CHICAGO, ILL.



25 BROAD STREET

NEW YORK CITY

Crude Drugs

Crude Drugs			BALSAMS					
Aceroides Gum, yel., . . . . .	.18	.20	Copaiba, Para, 80 lb cs. . . . .	.23	.25	Cannabis, USP, bales. . . . .	. . .	2.00
ACONITE Leaves, bales. . . . .	.16	.17	South American, 80 lb cs. . . . .	.28	.29	Cantharides, Chinese cases.	1.05	1.10
Aconite Root, USP, bags. . . . .	.38	.40	Fir Canada, cans.	13.00	14.00	Powd., boxes.	1.25	1.35
Agar Agar, 1, 200 lb bales. . . . .	. . .	1.50	Oregon, bbls., cans.	3.40	3.50	Cantharides, Russian, cases.	1.75	1.90
No. 2, bales. . . . .	. . .	1.40	Peru, 120 lb cases.	1.75	1.80	Powdered, boxes.	1.90	2.00
No. 3, bales. . . . .	. . .	1.30	Tolu, 90 lb cases.	1.15	1.25	Caraway Seed, African, bags. . . . .	.25	.26
Agaric, white, cases. . . . .	. . .	. . .	Bamboo Brier Root, bags. . . . .	.06	.07	Dutch, 110 lb bags. . . . .	.25	.28
Almonds, bitter bags bxs. . . . .	.32	.35	Barberry Bark, tree bales. . . . .	.22	.24	Cardamom bleached cases.	1.40	1.75
Sweet, bags. . . . .	.45	.46	Bayberry Bark, bales. . . . .	.11	.14	Decorticated, cases.	1.10	1.15
Meal, tins, boxes. . . . .	.28	.30	Wax, bbls. . . . .	.32	.35	Green, grinding, bags. . . . .	.90	1.05
Aletris Root, bags. . . . .	.53	.57	Belladonna Leaves, bales. . . . .	.17	.17½	Carnauba Wax, Flor. bags. . . . .	.52	.53
Alkanet Root, bags. . . . .	.08	.10	Root, bags. . . . .	.12	.13	No. 1 N Country bags. . . . .	.42	.45
Aloes, Barbadoes, 120 lb bbls. . . . .	.65	.70	Bees Wax, white bbls. . . . .	.36	.37	No. 2 N Country bags. . . . .	.24	.26
Cape, 400 lb cases. . . . .	.09	.10	Yellow, refined bbls. . . . .	.23	.26	No. 3 Fatty Gray, bags. . . . .	.19½	.20
Curacao, 100 lb cases. . . . .	.08	.08½	Crude, bags. . . . .	.20	.22	No. 3 Chalky, bags. . . . .	.19½	.20
Socotrine, whole 100 lb cs. . . . .	.30	.32	Benzoin Gum, Siam, boxes.	1.15	1.20	Cascara Amarga, 150 lb bales. . . . .	.30	.32
Althea Root, cut cases. . . . .	.20	.22	Sumatra, 80 lb boxes. . . . .	.30	.32	Cascara Sagrada, bales. . . . .	.14	.15
Whole bags. . . . .	.09	.10	Berberis Aquifolium Root, bags. . . . .	.16	.17	Cascarilla Bark, quills bales. . . . .	.30	.35
Ambergris, black boxes. . . . .	. . .	8.00	Beth Root, bags. . . . .	.22	.25	Siftings, bbls. . . . .	.20	.25
Grey, boxes. . . . .	. . .	28.00	Blackhaw Bark, root, bales. . . . .	.40	.42	Cassia Buds, 66 lb cases. . . . .	.14	.15
Ammoniac, tears, bags.	1.35	1.40	Tree, bales. . . . .	.24	.25	China, select, mats cases. . . . .	.07	.07½
Angelica Root, dom. bags. . . . .	.14	.15	Blood Root, bags. . . . .	.13	.15	Saigon, assort. bales. . . . .	.24	.27
Angostura Bark, bags. . . . .	.08	.10	Blueflag Root, bags. . . . .	.23	.25	Cassia Fistula, baskets. . . . .	. . .	.22
Anise, Levant bags. . . . .	.17	.17½	Boldo Leaves, bales. . . . .	.20	.21	Castor Beans, bags. . . . .	.03	.03½
Star, cases. . . . .	.14	.15	Bonsett Herb, bales. . . . .	.63	.10	Castoreum, 1 lb bot.	4.00	4.50
Spanish, bags. . . . .	.26½	.27½	Borage Flowers, bales. . . . .	.20	.22	Catechu Gum, bags. . . . .	.09	.10
Anatto Seed, bags. . . . .	.11½	.12	Bryonia Root, bags. . . . .	.10	.11	Catnip Herb, bales. . . . .	.12	.15
ARABIC GUM, . . . . .	. . .	. . .	BUCHU LEAVES, short, 250 lb . . . . .	. . .	. . .	Celery Seed, 220 lb bags. . . . .	.21½	.22½
White, No. 1, 200 lb bags. . . . .	.26	.28	bales. . . . .	.95	1.00	Ceresin Wax, white bags. . . . .	.08½	.09
Seconds, 250 lb bags. . . . .	.24	.26	less, bales.	1.05	1.10	Yellow, 200 lb bags. . . . .	.07½	.08
Sorts, amber, 200 lb bags, bbls. . . . .	.14½	.15	Long, bales. . . . .	. . .	. . .	CHAMOMILE FLOWERS, Roman . . . . .	. . .	1.75
Powd., USP, 300 lb bbls. . . . .	.22	.23	Buckthorn Bark, bales. . . . .	.07	.08	bales. . . . .	. . .	1.4½
Areca Nuts, 150 lb bags. . . . .	. . .	.09	Burdock Root, bags. . . . .	.20	.22	Hung. cases bales. . . . .	.14	.14½
Powd., 200 lb bbls. . . . .	. . .	.12	Burgundy Pitch, dom. 110 lb stands . . . . .	. . .	.05	Charcoal Willow, powd. bbls. . . . .	.06	.06½
Arnica Flowers, bales. . . . .	.08	.08½	Gross for net. . . . .	.13	.14	Wood, powd. bbls. . . . .	.04	.06
Root, bags. . . . .	.20	.22	Calabar Beans, bags. . . . .	.42	.47	Chestnut Bark, bags. . . . .	.07	.08
Arrowroot, Amer. powd. bbls. . . . .	.06½	.06¾	Calamus Root, bleached cases. . . . .	.07	.08	Herb, bales. . . . .	.08	.08½
St. Vincent, powd. bbls. . . . .	.14	.15	Unbleached, bags. . . . .	.19	.22	Chicle Gum, bags. . . . .	.75	1.00
Asafoetida, USP, 250 lb cases. . . . .	.25	.28	Calendula Petals, imp. bales. . . . .	. . .	.30	Chiretta, bales. . . . .	.10	.12
Powd. 50 lb bxs. . . . .	.50	.53	Calisaya Bark, bales. . . . .	. . .	.22	Cinchona Bark, red quills bales. . . . .	.55	.60
SALM GILEAD BUDS, bags. . . . .	.40	.45	Camphor, see Chemicals . . . . .	.06	.06½	Broken, bales. . . . .	.24	.26
Balmory Herb, bales. . . . .	. . .	.14	Canary Seed, Morocco bags. . . . .	.05½	.05¾	Cinnamon, Ceylon, bales, bond. . . . .	.20	.22
			South American, bags. . . . .	.24	.27	Civet, Abyssin horns.	2.75	3.75
			Candellia Wax, bags. . . . .	.51	.53	Clover Tops, bags. . . . .	.14	.15
			Canella Alba Bark, bales. . . . .	. . .	4.25	Cloves, Zanzibar, 135 lb bales. . . . .	.28	.28½
			Cannabis, true imp. bags. . . . .	.90	1.00	Amboyas, bales. . . . .	. . .	. . .
			American (no assay) bales. . . . .	. . .	. . .	Penang, bales. . . . .	. . .	. . .

First Tyrolese Pine Oil Distillery

UNTERWEGER BROTHERS

Thal-Assling, Tyrol, Austria

Oil Pine Pumilio U. S. P.

Oil Savin U. S. P.

Oil Juniper, twice rectified U.S.P.

Tyrolat U.S.P.

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110-6 Beekman Street

NEW YORK

Japan Wax

Sole Agents U. S. A.

KITAGUMI JAPAN WAX

GEORGE UHE

BROKERS

NEW YORK

Crude Drugs

Cochineal, USP, boxes.....lb	.35	: .37	Dogwood Bark, Jamaica bags....lb	.11	: .13	Grindelia Robusta Herb, bales...lb	.09	: .10
Coca Leaves, Huancayo bags....lb	.40	: .45	Flowers, bales.....lb	.12	: .15	Guaiac Gum, 80 lb cases.....lb	.35	: .37
Truxillo, bags.....lb	.09	: .09½	Doggrass Root, USP, cut bags....lb	.12	: .15	Guarana, tins, cases.....lb	.60	: .75
Cobosh Root, Black bags.....lb	.18	: .19	Dragons Blood, mass cases.....lb	.55	: .60	GUM, see Arabic Gum, etc.		
Blue, bags.....lb	.08	: .09	Reeds, boxes.....lb	1.40	: 1.45			
Colchicum Root, bags.....lb	.10	: .11	ECHINACEA ROOT, bags.....lb	.33	: .34	HELLEBORE ROOT,		
Seed, bags.....lb	.02	: .04	Elecampane Root, bags.....lb	.08½	: .09	Black, bbls.....lb	.08	: .10
Colombo Root, whole bags.....lb	.17	: .22	Elder Flowers, bales.....lb	.19	: .20	Powdered.....lb	.13	: .15
Colocyntha, apples, cases, bales...lb	.55	: .57	Elemi Gum, 89 lb cases.....lb	.10	: .11	White, Powd. 250 lb bbls....lb	.15½	: .16
Pulp, USP, bales.....lb	.06	: .07	Elm, select, 5 lb bundles cases..lb	.25	: .26	Helonias Root, (unicorn false) bags.....lb	.65	: .65
Coltsfoot Leaves, bags.....lb	.13	: .14	Grinding, bags.....lb	.10	: .12	Hemp Seed, Manchurian bags...lb	.03½	: .04
Comfrey Root, bags.....lb	.14	: .15	Powdered, bbls.....lb	.18	: .19	Chilian, bags.....lb	.35	: .40
Condurango Bark, bales.....lb	.14	: .15	ERGOT, 150-200 lb bags.....lb	.52	: .55	Hennbane Leaves, bales, USP...lb	.30	: .35
Conium Seeds, bags.....lb	.12	: .15	Eucalyptus Leaves, bales.....lb	.25	: .26	No assay.....lb	.30	: .35
Copaiba Balsam Para, see Balsams			Euphorbia Pilulifera Herb, bags..lb	.20	: .20	Henna Leaves, bales.....lb	.15	: .17
Copal Gum.....lb	.06	: .08	Euphorbium Gum, cases.....lb	.32	: .32	Powdered.....lb	.18	: .19
Coriander Seed, Bombay bags....lb	.11	: .12	Powdered, boxes.....lb	.40	: .40	Honey, Calif., 120 lb cases....lb	.10	: .10½
Morocco, bags.....lb	.15	: .16	Fennel Seed, French, bags.....lb	.16½	: .17	Hops, N. Y. prime bales.....lb	.18	: .20
Bleached, bags.....lb	.05½	: .06	German, bags.....lb	.21	: .22	Pacific Coast prime bales....lb	.16	: .18
Corn Silk, bales.....lb	.30	: .35	Indian, bags.....lb	.13	: .14	Horshound Herb, bales.....lb	.11	: .11
Cotton Root Bark, bales.....lb	.44	: .45	Flax Seed, whole 180 lb bbls....ea	13.00	: 13.50	Horsetail Rush, bags.....lb	.18	: .18
Cramp Bark, so-called bales....lb	.10	: .11	Ground, 180 lb bbls.....lb	.07½	: .08	India Gum, see Karaya		
True, bags.....lb	.82	: .85	Foenugreek Seed, 200 lb bags...lb	.07	: .08	INSECT FLOWERS, open whole bales.....lb		
Cranesbill Root, bags.....lb	.82	: .85	Fish Berries, 100-125 lb bags...lb	.03½	: .04	Closed whole, bales.....lb		
CUBEB BERRIES, XX bags.....lb	.30	: .32	Fringe Tree Bark, bags.....lb	.17	: .18	Powdered, pure 200 lb bbls...lb	.65	: .69
Powdered boxes.....lb	.25	: .26	GALANGAL ROOT, bags.....lb	.08	: .09	Flowers and stems, 50 p. c. 200 lb bbls.....lb	.42	: .43
Culvers Root, bags.....lb	.16	: .18	Gambler Gum, bags.....lb	.09½	: .10½	Ipecac Root, Cartagena, bags....lb	1.70	: 1.75
Cumin Seed, Levant bags.....lb	.55	: .55	Galbanum Gum, cans.....lb	1.20	: 1.35	Powdered, 200 lb bbls. boxes..lb	1.90	: 2.00
Morocco, bags.....lb	.35	: .35	Gamboge Gum, 160 lb cases....lb	1.02	: 1.05	Rio Whole, bags.....lb	1.80	: 1.90
Cuttlefish Bone, Trieste, straps..lb	.17	: .19	Powdered, cases.....lb	1.10	: 1.15	Powdered, 200 lb bbls. boxes..lb	1.95	: 2.00
Jewels, large, straps.....lb	.13	: .13	Gelsemium Root, bags.....lb	.11	: .11½	Isinglass, American, 130 lb cs...lb	.65	: .70
Small, straps.....lb	.07	: .07	Gentian Root, bags.....lb	.08½	: .09	Russian (Beluga) box ctns....lb	5.00	: 7.50
French, straps.....lb	.13	: .13	Ginger, African, bags.....lb	.13	: .13½	JABORANDI LEAVES, bales.....lb	.20	: .22
Powdered, boxes.....lb	.06½	: .06	Jamaica, grinding, bags bbls...lb	.35	: .40	Jalap Root, whole, 150 lb bags..lb	.31	: .35
Broken, boxes.....lb	.32	: .4	Japan, bags.....lb	.14	: .14½	Powdered, USP, 250 lb bbls....lb	.40	: .42
Damar Gum, 136 lb cases.....lb	.11	: .12	Cochin, ABC & lemon, bags....lb	.15	: .15½	Japan Wax, 224 lb cases.....lb	.17	: .18
Damiana Leaves, bales.....lb	.15	: .16	Gluseng Root, cultivated, bags...lb	8.00	: 10.00	Job's Tears, white bags.....lb	.08	: .09
Dandelion Root, Imp., bags.....lb	.09	: .10	Northwestern Wild, bags.....lb	14.00	: 15.00	Juniper Berries, 125 lb bags....lb	.03	: .03½
Deer Tongue Leaves, bales.....lb	.06½	: .06	Southern Wild, bags.....lb	10.00	: 12.00	KAMALA, boxes.....lb	1.90	: 1.00
Digitalis Leaves, bales.....lb	.09½	: .10	Golden Seal Root, bags.....lb	3.50	: 3.55	Karaya Gum, powdered, bbls....lb	.15	: .20
Dill Seed, bags.....lb	.09½	: .10	Powdered, boxes.....lb	3.80	: 3.85	Kava Kava Root, bags.....lb	.17	: .18
			Grains of Paradise, bags.....lb	.12	: .14	Kino Gum, black cases.....lb	.50	: .55
						Kola Nuts, 150 lb bags.....lb	.04½	: .05
						Kousso Flowers, bags.....lb	2.25	: 2.50

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LADY SLIPPER ROOT, bags....lb	.50	.52	Musk, pods Cabardine, tins....oz	16.00	17.00	Patchouli Leaves, bales.....lb	.22	.25
Larkspur Seed, bags.....lb	.31	.35	Tonquin.....oz	22.00	25.00	Pepper, black Sling, bags.....lb	.10	.10½
Laurel Leaves, bales.....lb	.05	.05½	Grain Cab.....oz	25.00	26.00	White, bags.....lb	.13½	.14
Lavender Flowers, Ordinary....lb	.20	.25	Tonquin.....oz	35.00	38.00	Peppers, red Mombasa bags....lb	.26	.27
Selected.....lb	.30	.33	Synthetic, see Chemicals			Cherries, bags.....lb	.16½	.17
Leeches, tubs.....Per 100	7.00	7.50	Musk Root, Russian bags....lb	...	...	Bombay, bags.....lb	.15	.15½
Lemon Peel, bags.....lb	.09	.10	Mustard Seed, Bari brown bags..lb	.08½	.09	Japan, bags.....lb	.28	.30
Licorice Root, Russian whole....lb	.08	.09	Bombay, brown.....lb	.07	.08	Pennyroyal Herb, bales.....lb	.08	.12
Spanish, natural bales.....lb	.09	.09½	California, brown.....lb	.09	.09½	Peppermint Leaves, imp. bales..lb	...	.35
Powdered, bbls.....lb	.10	.11	Yellow.....lb	.04	.04½	Domestic leaf.....lb	.27	.29
Selected, 2 & 5 lb bundles....lb	.17	.20	Chinese, yellow.....lb	.08½	.09	Peru Balsam, see Balsams		
Cuttings, 125 lb bags.....lb	.07½	.08	English, yellow.....lb	.09	.09½	Pitch Leaves, bags.....lb	.23	.25
Life Everlasting Herbs, bales....lb	.05	.06	Dutch, yellow.....lb	.09	.09½	Pimento, select bags.....lb	.04½	.04½
Lime Juice, clarified bbls.....gal	.50	.60	Danish, yellow.....lb	.08½	.09	Pink Root, true bags.....lb	...	1.20
Linden Flowers, with leaves, baleslb	.17	.18	Myrrh Gum, select 200 lb cs....lb	.38	.40	Pitch, Burgundy, see Burgundy Pitch		
Without Leaves, bales.....lb	.35	.36	Sorts, cases.....lb	.36	.38	Pleurisy Root, bags.....lb	...	.32
Liverwort Leaves, bales.....lb	.20	.22	NUTGALLS, Chinese bags.....lb	.15	.16	Plantain Leaves, bales.....lb	...	.16
Lobelia Herb, bales.....lb	.20	.21	Aleppy, bags.....lb	.14	.15	Poke Berries, bags.....lb	...	.13
Lobelia Seed, bags.....lb	.55	.60	Nutmegs, 110s cases.....lb	.24	.25	Poke Root, bags.....lb	...	.07½
Loragoe Root, Imported, bags....lb	...	.25	75s, 80s cases.....lb	.26	.27	Pomegranate Bark, of root bags..lb	...	.30
Lupulin, boxes.....lb	1.40	1.50	Nux Vomica Buttons, bags....lb	.06	.06½	Of Fruit, bags.....lb	...	.30
Domestic.....lb	1.30	1.40	Powdered, 200 lb bbls.....lb	.10	.10½	Of tree.....lb	...	.30
Lycopodium, 88 lb cs.....lb	.45	.47	OAK BARK, red bags.....lb	.05	.06	Poppy Flowers, red bags.....lb	.25	.27
MACE, Slaw, No. 1 cases.....lb	.44	.45	White, bags.....lb	.06	.07	Poppy Seed, Dutch, bags.....lb	.11	.12
Banda, No. 1 cases.....lb	.50	.52	Oilbanum Gum, sift 280 lb cases..lb	.10	.11	German, bags.....lb	.11½	.12
Batavia, cases.....lb	.38	.39	Tears, 280 lb cases.....lb	.13	.14	Turkish, bags.....lb	.06	.08
Malva Flowers, blue bales.....lb	.27	.30	No. 1, all white, 280 lb cases..lb	.21	.22	Blue Indian, bags.....lb	.08	.08½
Black, bales.....lb	.65	.75	Opium, gum USP cases.....lb	...	8.00	White Indian, bags.....lb	.07	.07½
Manna, large flake cases.....lb	.56	.58	Granular, cans.....lb	...	9.00	Prickly Ash Bark Southern, bags..lb	.14	.14½
Small flake, cases.....lb	.28	.30	Powdered, USP cans.....lb	...	9.00	Northern, bags.....lb	.14	.14½
Sorts, cases.....lb	.27	.30	Orange Flowers, cases.....lb	...	1.00	Prickly Ash Berries, bags.....lb	.11	.13
Mandrake Root, bags.....lb	.16	.18	Orange Peel, bitter bags.....lb	.07½	.07½	Prince's Pine, bales.....lb	.14	.15
Mastic Gum, 120 lb cases.....lb	.44	.48	Sweet, bags.....lb	.07½	.08	Pulsatilla Herb, bags.....lb	.25	.27
Mezereum Bark, bags.....lb	.11	.12	Orris Root Florentine bold bags..lb	.07	.08	Pumpkin Seed, bags.....lb	.14	.16
Matteo Leaves, bales.....lb	.20	.22	Verona, bags.....lb	.05	.06	QUASSIA CHIPS, bags.....lb	.07½	.08
Marjoram Leaves, German bales..lb	.17	.18	Powdered, 200 lb bbls.....lb	.08	.09	Queen of the Meadow Herb, bags..lb	...	.06
French, bales.....lb	.15	.15½	Fingers, cases.....lb	.65	.70	Quince Seed, bags.....lb	1.05	1.15
Millet Seed, dom. yellow bags....lb	.03½	.05	Ozokerite Wax brown hard bags..lb	.22	.24	RAPE SEED, South Amer. bags..lb	.07	.07½
Montan, Wax, crude bags.....lb	.04	.04½	Green, hard bags.....lb	.25	.26	Dutch, bags.....lb	.08	.08½
Bleached.....lb	...	...	Refined, yellow bags.....lb	...	...	Japanese, small, bags.....lb	.06½	.06½
Moss, Iceland bales.....lb	.08	.09	PAPRIKA, bags.....lb	.17	.24	Raspberries, dried boxes.....lb	.35	.40
Irish, bleached bales.....lb	.09	.10	Hungarian.....lb	.27	.37	Red Saunders.....lb	.17	.19
Mullein Flowers, tins.....lb	...	1.25	Pareira Brava Root, bags.....lb	.19	.20	Rhazary Root, bags.....lb	...	.10
			Parsley Seed, bags.....lb	.08	.08½	RHUBARB, H. D. cases.....lb	.43	.45
						Powdered, 200 lb bbls.....lb	.48	.50
						Rosemary Leaves, bales.....lb	.04½	.05



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Rosemary Flowers, cases bales...D	.28	: .30	Snake Root, Canada natural bags...D	.32	: .33	Tragacanth Gum, No. 1, ribbon,		
Rose Petals, pale .....D	.22	: .25	Stidipped, bags .....D	...	: .55	No. 2 200 lb cs. ....D	1.52	: 1.55
Red .....D	...	: .60				No. 2 to No. 6, cases.....D	1.00	: 1.50
Roe Herb, bales.....D	.30	: .35	SOAP BARK, whole, 150-200D			Powdered, 50 lb boxes.....D	1.00	: 1.50
SABADILLA SEED, bags.....D	.12	: .12½	Cut, 125-175 lb bags.....D	.07½	: .08	Turkish, cases.....D	.75	: .90
Powder, bbls.....D	.16	: .17	Crushed, 200 lb bbls.....D	.08½	: .09	Turmeric Root, Madras bags.....D	.09½	: .09½
Saffron Flowers, Amer. bales.....D	1.15	: 1.25	Powdered, 200 lb bbls.....D	.12	: .14	Aleppy, bags.....D	.07½	: .08
Valencia, 1 lb cans.....D	41.00	: 42.00				China, bags.....D	.07	: .07½
Sage, Dalmatian bales.....D	.05½	: .06½	Spearmint Leaves, American bales...D	.23	: .24	Turpentine, Venice, true 80 lb cs..D	.20	: .22
Greek, bales.....D	.03½	: .04	Spermactil, blocks cakes cases.....D	.36	: .37	Artificial, 80 lb cases.....D	.14	: .15
Spanish, bales.....D	.03	: .03½	Spikenard Root, bags.....D	.15	: .16	Spirits, see Naval Stores		
Sandalwood, chips bags.....D	...	: .30	Spruce Gum, boxes.....D	1.00	: 1.50	UNICORN ROOT, false, see Helonias		
Ground, bags.....D	...	: .35	Squaw Vine, bales.....D	...	: .17	True, see Aletris		
Sandarae Gum, 300 lb bbls.....D	.23	: .25	Squill Root, white bags.....D	...	: .04	Uva Ursi Leaves, bales.....D	.05½	: .06½
Sarsaparilla, Honduras, bales.....D	.61	: .65	Stavesacre Seed, bags.....D	.28	: .29	VALERIAN ROOT, Belgian bags...D	.11½	: .12
Mexican, bales.....D	.33	: .36	Squill Root, white bags.....D	.04½	: .04½	Vanilla Beans Mex. whole cases...D	8.50	: 11.00
Sassafras Bark, ordinary bales...D	.12	: .14	Stone Root, bags.....D	.09	: .10	Cuts, cases.....D	6.00	: 6.50
Select, bales.....D	.22	: .28	Storax, Liquid artif.....D	.70	: .75	Bourbon, cases.....D	4.50	: 4.75
Savory Leaves, bales.....D	.09½	: .10	Gen. USP.....D	.90	: 1.00	South American, cases.....D	6.00	: 6.50
Saw Palmetto Berries, bags.....D	.12	: .13	St. Ignatius Beans, bags.....D	.22	: .23	Tahiti, yellow label cases.....D	...	: ...
Scammony Resin, boxes.....D	1.15	: 1.25	St. John's Bread, bags.....D	.04	: .06	Green Label, cases.....D	...	: ...
Scammony Root, bags.....D	.06½	: .07	Stramonium Leaves, bales.....D	.07	: .07½	Violet Flowers, bags.....D	.65	: .70
Senega Root, bags.....D	.64	: .65	Stramonium Seed, bags.....D	.13	: .13	Wahoo BARK, of root bags.....D	.30	: .95
SENNA, Alex. 150 lb cases.....D	.30	: .31	Strophanthus Seed, Hispidus.....D	...	: ...	Of Tree, bags.....D	.43	: .45
Half Leaf, 350 lb bales.....D	.17	: .20	Kombe, bags.....D	.30	: .35	White Pine Bark, rossed, bags...D	.06½	: .07½
Siftings, 400 lb bales.....D	.11	: .12	Sunflower Seed, domestic bags...D	.07	: .07½	White Poplar Bark, bags.....D	.04	: .05
Powdered, 200 lb bbls.....D	.11	: .13	South American, bags.....D	.06½	: .07	Wild Cherry Bark, thin green		
Timorelly, job, 350 lb bales...D	.05	: .08				Rossed, bales.....D	.10	: .12
Grinding, 350 lb bales.....D	.08	: .08½	TAGALDER BARK, bags.....D	...	: .05	Thick Rosed, bales.....D	.07	: .07½
Powdered, 200 lb bbls.....D	.06	: .06½	Tamarinds, bbls.....D	...	: .07½	Thin Natural, bales.....D	.10½	: .12
Pods, 350 lb bales.....D	.80	: .85	Kegs.....D	3.50	: per keg	Thick Natural, bales.....D	.07	: .08
Serpentaria Root, bags.....D	.62	: .64	Tansy Herb, bales.....D	.14	: .15	Willow, bark bags.....D	...	: .06
Shellac, T.N., bags.....D	.66	: .75	Tar, Barbadoes, 50 gal bbls.....gal	1.60	: 1.75	White, bags.....D	...	: .15
Superfine Orange, bags.....D	...	: .80	Thus Gum, 250 lb bbls.....D	...	: .08½	Witch Hazel Bark, bags.....D	...	: .06
D. C., bags.....D	.75	: .77	Thyme, Spanish bales.....D	...	: .08	Witch Leaves, bales.....D	.10	: .07½
V. S. O., cases.....D	...	: .79	French, bales.....D	...	: .11	Worm Seed, American bags.....D	.11	: .11
Pwd. reg., 350 lb bbls.....D	...	: .72	Tilia .See Linden			Levant bags.....D	3.50	: 3.75
Regular Bleached, 350 lb bbls...D	.09	: .10	Tolu Balsam, see Balsams			Wormwood Herb, imported bales...D	...	: .10
Bone, Dry, 350 lb bbls.....D	...	: .18	Tonga Bark, bags.....D	.30	: .31	Yacca Gum, red.....D	.04	: .04½
Sinaruba Bark, bales.....D	...	: .78	Tonka Beans, Angostura, cases...D	2.00	: 2.10	Ground.....D	.05½	: .06½
Sideritis Herb, cut bags.....D	...	: .03	Para, cases.....D	.80	: .85	YELLOW DOCK ROOT, bags.....D	.13	: .15
Skullcap Leaves, bales.....D	...	: .04	Surinam, cases.....D	.85	: .95	Yellow Parilla Root, bags.....D	.16	: .17
Sloe Berries, bags.....D	...					Yerba Santa, bags.....D	.11	: .12
						Zedoary Root, bags.....D	.08	: .10

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Bitter ff PA 5 lb. bots.	3.75	4.00	Coriander, USP, 1 lb. bot.	19.00	20.00	Pinus Sylvestris, 25 lb. tins.	1.75
Artificial (See Benzaldehyde—Chemicals)			Croton, USP 25 lb. tins.	1.00	1.10	Pumilio, USP 25 lb. tins. ....	...	2.75
Sweet, 56 lb. cans. ....	.34	.36	Cubeba, USP, 5 lb. bot.	6.00	6.25	Rosa, Fr., 8, 16 & 32 oz. pags. ....	...	9.00
Peach Kernel, 55 lb. tins. ....	.25	.27	Cumin, 1 lb. bot.	15.00	20.00	Bulg., 8, 16 & 32 oz. pags.	5.50	6.00
Apricot, see Peach Kernel			Dill, 1 lb. bot.	4.75	5.00	Artificial, 1 lb. bot.	2.00	3.00
Amber, crude 25 lb. tins. ....	.70	.80	Erigeron, 20 lb. tins. ....	.90	1.00	Rosemary, USP, 27 1/2 lb. tins. ....	.45	.48
Rectified, 25 lb. tins. ....	.90	1.00	EUCALYPTUS, Austl. USP			1000 lb. drums. ....	...	.42 1/2
Angelica Root, 1 lb. bot.	38.00	39.00	56 lb. ca. ....	.47 1/2	.50	Tech., 27 1/2 lb. tins. ....	.40	.45
Seed, 1 lb. bot.	36.00	38.00	500 lb. drums. ....	...	.45 1/2	Rue, 1 lb. bot. ....	...	4.25
ANISE, Tech., 66 lb. case. ....	.45	.50	Fennel USP, 25 lb. tins.	1.10	1.20	Sandalwood, E. Ind. USP, 76 lb. cases.	7.75	7.90
USP 50 lb. tins. ....	.52 1/2	.55	Geranium, Algerian, 25 lb. tins.	8.00	8.50	W. Indian, (Amyris) 25 lb. tins.	3.75	3.90
Bay, 25 lb. tins.	2.50	2.60	Bourbon, 25 lb. tins.	6.50	7.00	Sassafras, USP, 50 lb. cans.	1.00	1.19
Bergamot, 25 lb. coppers.	2.60	2.70	Turkish, 28 lb. tins.	4.75	5.00	Artificial, 63 lb. cans. ....	...	.45
Artificial, 25 lb. cans.	2.00	2.25	Ginger, 1 lb. bot.	5.75	6.00	Savin, 5 lb. tins.	3.25	3.50
Birch Tar, rect. 5 lb. bot.	1.10	1.15	Gingergrass, 28 lb. tins.	2.75	3.00	Spearmin, USP, 60 lb. cases.	2.50	2.60
Crude, 50 lb. tins. ....	.60	.65	Hemlock, 50 lb. cans. ....	...	1.40	Spruce, 50 lb. tins. ....	...	1.40
Bols de Rose, 25 lb. tins.	2.50	2.65	Juniper Berries, USP, 25 lb. tins.	1.25	1.35	Tansy Amer., 20 lb. tins.	7.00	7.25
Cade, USP, 25 lb. tins. ....	.35	.40	Wood, 50 lb. tins. ....	.60	.70	Tar, 50 gal. bbls. ....	.24	.25
USP, 5 lb. bot. ....	.45	.50	Lavender, USP, 25 lb. tins.	2.75	3.50	Refined, USP 25 lb. tins. ....	...	...
Cajuput, native, 50 lb. tins. ....	.80	.85	Spice, Spanish 50 lb. cans. ....	.70	.80	Thyme, red, USP 25 lb. tins.	1.00	1.10
Calamus, 5 lb. bot.	4.25	4.75	LEMONGRASS, Ital. USP, 25 lb. tins. ....	.77 1/2	.90	White, USP 25 lb. tins.	1.10	1.15
Camphor, heavy, 1000 lb. drums. ....	.11 1/2	.12	American, USP, 25 lb. tins. ....	.75	.80	Crude, 110 lb. drums. ....	.85	.90
Japanese, white, 72 lb. cases. ....	.13 1/2	.15	Lemongrass, native, 50 lb. cans. ....	.80	.85	Vetiver, Bourbon 1 lb. bot.	5.50	6.00
White, 1000 lb. drums. ....	.13	.15	Limes, express 25 lb. tins.	1.70	1.80	Java, 1 lb. bot.	22.00	24.00
Camanga, Native 25 lb. tins.	2.25	2.50	Distilled, 25 lb. tins. ....	.80	.90	Wine, heavy 1 lb. bot. ....	...	2.75
Rectified, 25 lb. tins.	2.50	2.75	Linaloe, Mex. 80 lb. cases.	2.15	2.35	WINTERGREEN		
Caraway, USP.	7.25	7.50	Mace, distilled, 50 lb. tins. ....	...	.90	Sweet bch, 25 lb. tins.	2.00	3.00
Cardamom, USP, 1 lb. bot.	20.00	22.00	Mirbane, ref., see Ar. Chemicals			Gaultheria, true 25 lb. tins.	4.00	7.00
Carrol, 5 lb. bot.	12.00	13.00	Mustard, USP, 1 lb. bot. ....	...	17.00	Synthetic, USP, 50 lb. cases. ....	.57	.62
CASSIA, 75-80 p.e. 66 lb. cases.	2.20	2.35	Artif., USP, 5 lb. bot.	2.55	2.65	Wormseed Balt., USP, 25 lb. tins.	7.00	7.50
Redistilled, USP, 50 lb. cans.	3.00	3.10	Neroli, Bigarade, 1/4 and 1 lb. bot.	75.00	115.00	Wormwood, dom., 25 lb. tins.	6.50	6.75
Cedar Leaf, 50 lb. tins.	1.10	1.20	Petale, 1 lb. bot.	10.00	25.00	Ylang Ylang, Bourbon 10 lb. tins. ....	...	...
Cedar Wood, light 1000 lb. drums. ....	.26	.28	Artificial, 1 lb. bot. ....	...	.90	No. 1.	7.00	9.00
Celery, 1 lb. bot.	8.50	9.00	Nutmeg, USP, 25 lb. tins.	2.60	2.75	No. 2.	5.00	6.00
Cinnamon, Ceylon 1 lb. bot.	11.00	12.50	Orange, bitter, 25 lb. tins.	2.70	2.80	Manila, 1 lb. bot.	30.00	40.00
Leaf, 5 lb. bot. ....	...	2.00	Sweet, W. Ind. 25 lb. tins.	3.35	3.75	Artificial, 1 lb. bot.	10.00	12.00
CITRONELLA, Ceylon, 1000 lb. drs. ....	.70	.71	Italian, 25 lb. cop.	2.80	2.85	OLEORESINS		
50 lb. tins. ....	.72	.74	American, 25 lb. tins. ....	.30	.35	Aspidium, USP 1 lb. bot.	2.75	3.00
Java, 400 lb. drums. ....	...	.85	Origanum, 50 lb. cans.	3.50	4.00	Capsicum, USP, 5 lb. bot.	2.50	2.75
50 lb. tins. ....	...	.87 1/2	Parley, 1 lb. bot.	8.00	8.50	Cubeb, USP, 1 lb. bot.	4.75	5.80
Cloves, USP, 50 lb. cans.	1.95	2.00	Patchouli, 5 lb. bot.	1.95	2.25	Ginger, 5 lb. bot.	3.00	3.10
6 lb. bot.	2.00	2.10	Pennsroyal, dom 25 lb. tins.	1.75	1.90	Malefern, See Aspidium	...	...
			Imported, 25 lb. tins.	2.65	2.80	Orris, 1 lb. bot. ....	...	18.00
			PEPPERMINT, nat. 60 lb. cases.	2.90	3.05	Pepper, black, USP, 1 lb. bot.	3.50	4.00
			Redist. USP, 60 lb. cases.	1.55	1.65	Vanilla, 1 lb. bot.	8.00	9.00
			Petit Grain, S. Am. 25 lb. tins.	6.50	7.00			
			French, 1 lb. bot.			

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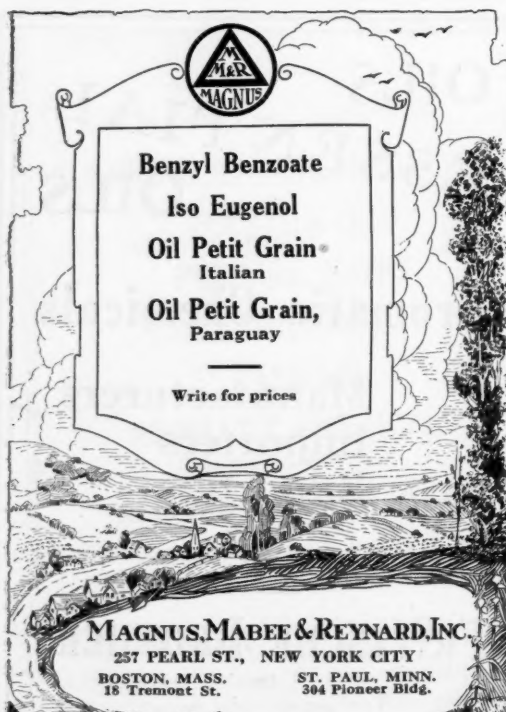
FRITZSCHE BROTHERS


Inc.

NEW YORK

Aromatic Chemicals

NATURAL DERIVATIVES					
Anethol, 25 lb bot.....	D	1.60 : 2.00	Cinnamic Aldehyde, 1 lb bot.....	D	3.20 : 3.50
Borneol, 1 lb bot.....	D	3.50	CITRONELLOL, 1 lb bot.....	D	8.00 : 14.00
Citronellal, 1 lb bot.....	D	2.00 : 2.25	COUMARIN, 25 lb cans.....	D	4.50 : 4.75
CITRAL, 25 lb cans.....	D	2.75 : 3.00	DIETHYL PHTHALATE, 25 lb cans.....	D	.65 : .75
EUCALYPTOL, USP, 25 lb cans.....	D	.80 : .85	Diphenyloride, 25 lb cans.....	D	.85 : .90
Eugenol, USP, 25 lb cans.....	D	2.85 : 3.25	Ethyl Acetate, pure, 5 lb bot.....	D	.45 : .50
Geraniol, Domestic, 50 lb cans.....	D	3.00 : 3.50	Ethyl Benzoate, 5 lb bot.....	D	1.85 : 2.00
Imported, 5 lb bot.....	D	3.00 : 3.50	Ethyl Butyrate, 5 lb bot.....	D	2.00 : 2.25
Iso-Eugenol, 1 lb bot.....	D	4.50 : 5.00	Ethyl Cinnamate, 1 lb bot.....	D	4.50 : 5.00
Imported.....	D	6.50 : 7.00	Ethyl Formate, 5 lb bot.....	D	.95 : 1.00
Linalool, 5 lb bot.....	D	7.00 : 7.25	Ethyl Valerate, 5 lb bot.....	D	4.50 : 4.75
METHOL, 60 lb cases.....	D	8.50	Formic Ether, See Ethyl Formate		
Less cases, 5 lb cans.....	D	9.25 : 9.35	Geranyl Acetate, 1 lb bot.....	D	4.25 : 4.75
Rhodinol, 1 lb bot.....	D	15.00 : 20.00	Hellotropin, dom., 10 lb bot.....	D	2.00 : 2.25
SAFROL, 60 lb cans.....	D	.55 : .57	Imported.....	D	2.50 : 2.75
Thymol, USP, 10 lb cans.....	D	3.25 : 3.50	Indol, CP, 1 oz. bot.....	oz	8.50 : 9.00
SYNTHETIC AROMATICS			Ionone, 1 lb bot.....	D	5.00 : 9.00
Acetaldehyde, 50% sol pure, 5 lb bot.....	D	1.75 : 2.00	Alpha.....	D	10.00 : 12.00
Acetophenone CP, 1 lb bot.....	D	4.00 : 4.25	Beta.....	D	9.00 : 11.00
Amyl Acetate, pure, 5 gal cans.....	gal	6.00 : 7.00	Methyl.....	D	12.50 : 15.00
Amyl Butyrate, 1 lb bot.....	D	2.00 : 2.10	Linalyl Acetate, 1 lb bot.....	D	7.00 : 10.00
Amyl Formate, 1 lb bot.....	D	1.75 : 2.00	Linalyl Benzoate, 1 lb bot.....	D	13.00 : 14.00
AMYL SALICYLATE, 100 lb chys.....	lb	1.45 : 1.60	METHYL ANTHRANILATE dom.,		
Anisic Aldehyde, 1 lb bot.....	D	3.40 : 4.00	1 lb bot.....	D	3.50 : 4.00
BENZALDEHYDE, USP, 40 lb chys.....	lb	1.50 : 1.60	Imported.....	D	4.50 : 5.00
FFC, 40 lb chys.....	D	1.75 : 1.85	Methyl Cinnamate, 1 lb bot.....	D	4.00 : 4.50
Benzoic Ether, See Ethyl Benzoate			Methyl Paracresol, 1 lb bot.....	D	8.00 : 9.00
Benzyl Acetate, 100 lb chys.....	D	1.25 : 1.40	METHYL SALICYLATE, USP 500 lb		
Benzyl Alcohol, 5 lb bot.....	D	1.50 : 1.75	drums.....	D	.55 : .60
BENZYL BENZOATE, 5 lb bot.....	D	1.60 : 1.75	50 lb cases.....	D	.57 : .62
Medicinal FFC.....	D	1.75 : 2.00	Second Hands.....	D	.. : .55
Benzyl Formate, 1 lb bot.....	D	2.50 : 3.00	Mirbane, rect. 1000 lb drums.....	D	12 1/2 : .14
Brometyl, 25 lb kgs.....	D	4.00 : 4.25	Musk Ambrette, 1 lb cans.....	D	14.50 : 16.50
Butyric Ether, See Ethyl Butyrate			Musk Ketone, 1 lb cans.....	D	13.00 : 14.00
Cinnamic Acid, 5 lb cans.....	D	3.00 : 3.25	Musk Xylene, 5 lb cans.....	D	2.90 : 3.15
Cinnamic Alcohol, liquid 1 lb bot.....	D	10.00 : 12.00	Nerolin, 1 lb cans.....	D	1.75 : 2.00
Crystallizable.....	D	12.00 : 15.00	Phenylacetalddehyde, Dom.,		
			1 lb bot.....	D	9.00 : 11.00
			Imported.....	D	12.00 : 14.00
			Phenylacetic Acid, 1 lb bot.....	D	3.00 : 4.00
			PHENYLETHYLALCOHOL dom.,		
			1 lb bot.....	D	8.00 : 9.00
			Imported.....	D	8.50 : 10.00
			Phenylpropylalcohol, 1 lb bot.....	D	15.00 : 16.00
			TERPINEOL, CP, 1000 lb drums.....	D	.50 : .55
			Cans 50 lb.....	D	.55 : .57
			Imported, 25 lb cans.....	D	.95 : 1.20
			Terpinyl Acetate, 25 lb cans.....	D	1.65 : 1.85
			VANILLIN, USP, 400 oz. cans.....	oz	.41 : .41 1/2
			Cans, 16 oz., 80 oz.....	oz	.41 1/2 : .42 1/2
			Valerianic Ether, See Ethyl Valerate		
			Yara Yara, 1 lb cans.....	D	1.75 : 2.00
			PERFUMERS' SUNDRIES		
			Almond Meal, 25 lb cans.....	D	.28 : .30
			Ambergris, black, bxs.....	oz	.. : 8.00
			Ambergris, gray, bxs.....	oz	.. : 28.00
			Balsam Copaiba, Para, 80 lb cases.....	lb	.23 : .24
			South American, 80 lb cases.....	lb	.28 : .29
			Balsam Peru, 60 lb cases.....	lb	1.75 : 1.80
			Balsam Tolu, 90 lb cases.....	lb	1.00 : 1.10
			Benzoin Gum, Siam, bxs.....	lb	1.10 : 1.15
			Castoreum, 1 lb bot.....	D	4.00 : 4.50
			Chalk, precip. light, 175 lb bbls.....	lb	.. : .05
			Cherry Laurel Water, 5 gal cans.....	gal	1.15 : 1.25
			Civet Abyssin, horns.....	oz	2.75 : 3.75
			Labdanum, 5 lb bot.....	D	.. : 8.00
			Lanolin hydrous, 350 lb bbls.....	D	.21 : .22
			Anhydrous, 350 lb bbls.....	D	.23 : .24
			Musk pods, Cabardine, tins.....	oz	16.00 : 17.00
			Tonquin, tins.....	oz	22.00 : 25.00
			Grains, Cabardine, tins.....	oz	25.00 : 28.00
			Tonquin, tins.....	oz	35.00 : 38.00
			Synthetic, See Aromatic Chemicals		
			Orris Rt. Flor., powd. bbls.....	D	.09 : .11
			Verona, bbls.....	D	.08 : .09
			Petrolatum, snow white, 350 lb bbls.....	lb	.. : 12 1/2
			Light Amber, 350 lb bbls.....	D	.04 : .04 1/2
			Rice Starch, 140 lb bgs.....	lb	.09 : .10
			Rose Water, 5 gal chys.....	gal	.90 : 1.10
			Sandalwood chips, powd., bags.....	lb	.30 : .35
			Saponin, 5 lb tins.....	lb	1.25 : 1.50
			Tale Italian, 220 lb bgs.....	ton	42.00 : 55.00
			Tale French, 220 lb bgs.....	ton	32.00 : 45.00
			Tale, domestic ref., 100 lb bags.....	ton	20.00 : 30.00




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Imports at New York, June 9 to June 16

ACIDS—Arsenic, 101 bbls., Amer. Metal Co., Tampico; Citric, 400 cks., W. Neuberger, Palermo; 100 cks., R. F. Downing & Co., Palermo; Cresylic, 30 drs., W. E. Jordan & Bros., Liverpool; 23 drs., W. E. Jordan & Bros., Liverpool; 1 drum, Order, Liverpool; Eluge, 6 carboys, Anglo Mexican Petroleum Co., Tampico; Hydrocyanide, 4 drs., Fumigator Chem. Co., San Juan; Tartaric, 40 kgs., Order, London; 200 cks., Order, Palermo.

ALBUMEN—Blood, 10 cks., Hummel & Robinson, Hamburg; Hen Egg, 92 cs., British Bank of So. Amer., London.

ALCOHOL—Denatured, 55 bbls., G. Esteve, Arecibo; 25 bbls., M. Feigel & Bros., Arecibo.

AMMONIUM—Carbonate, 15 cks., J. Turner & Co., Liverpool; 10 cks., 15 bbls., Brown Bros. & Co., Liverpool; Anhydrous, 3 cys., Morris & Co., London; Nitrate, 720 cks., Kuttroff Pickhardt & Co., Hamburg; Persulfate, 20 kgs., J. Turner & Co., Liverpool.

ANTHRACENE—22 cks., Order, Manchester.

ARSENIC—200 cks., Ore & Chem. Corp., Hamburg; 100 cks., A. J. Marcus, Hamburg; 150 cs., Lunham & Moore, Rotterdam; 160 bbls., Order, Tampico; 33 drs., 20 cks., C. Tennant Sons & Co., London; Sulfide, 5 cs., F. B. Vandegrift & Co., London.

BARK—4 sks., J. B. Williams Exp. Corp., Port Limon; Cinchona, 269 bbls., Order, Rotterdam.

BLOOD—Dried, 4 cks., Order, Glasgow.

BONE ASH—2,000 kgs., M. G. Lange & Co., Hamburg.

CALCIUM—Chloride, 322 drs., Irving Bank, Hamburg.

CASEIN—174 bgs., A. Klipstein & Co., Hamburg; 100 bgs., Monite Waterproof Glue Co., Havre; 350 cks., Asia Bkg. Corp., Auckland; 630 sks., Bankers Trust Co., Wellington;

ton; 417 bgs., Irving Bank Columbia Trust Co., Buenos Aires; 667 bgs., Equit. Trust Co., Buenos Aires.

COAL TAR DISTILLATE—61 drs., Order, Liverpool.

COLORS—2 cks., 1 drum, Irving Bank, Liverpool; 2 bxs., B. F. Drakenfeld, Liverpool; 4 bxs., B. F. Drakenfeld & Co., Liverpool; 6 kgs., Order, Liverpool; 2 cks., L. & R. Organic Prod. Co., Rotterdam; 3 cks., Bank of Manhattan Co., Rotterdam; 4 cs., Hensel Bruckmann & Lorbacher, Hamburg; 4 cs., Carbic Color & Chem. Co., Hamburg; 25 cks., Order, Hamburg; 66 cks., Order, Hamburg; 20 cs., Sigmund Ullman Co., Bremen; 40 cks., S. H. Libby Co., Bremen; 4 cks., Reichard Coulston, Bremen; 5 cks., Sandoz Chem. Wks., Havre; 6 cks., Carbic Color & Chem. Co., Havre; 4 cks., Irving Bank, Havre; Alizarine, 13 cks., A. Klipstein & Co., Liverpool.

COPPER—Sulfate, 69 cks., Order, Liverpool; 91 cs., Ore & Chem. Corp., London.

DIVI DIVI—540 bgs., Eggers & Heinlein, Pampatar; 225 bgs., Goldsmith & Co., Pampatar; 656 bgs., Ultramares Corp., Curacao.

DRAGON'S BLOOD—3 cs., Brown Bros. & Co., London; 4 cs., Brown Bros. & Co., London.

EXTRACTS—Mangrove Bark, 2,600 bgs., Order, Singapore; Quebracho, 10,466 bgs., Tannin Corp., Buenos Aires; 8,524 bgs., Beckman Winthrop, Buenos Aires; 2,024 bgs., Fourth Atlantic Nat. Bank, Buenos Aires; 17,800 bgs., Tannin Corp., Buenos Aires; 4,206 bgs., Beckman Winthrop, Buenos Aires; Rennet, 75 kgs., F. B. Vandegrift & Co., Copenhagen; 4 bbls., F. Behrens, Copenhagen; Sumac, 10 pkgs., Amer. Dyewood Co., Glasgow.

FERRIC OXIDE—152 bbls., Order, Hamburg.

FLOWERS—Dried, 71 cs., A. Jonsson & Co., Hamburg.

GALLNUTS—400 cs., Mallinckrodt Chem. Wks., Hankow; 500 cs., J. D. Lewis, Sourabaya.

GAMBIER—161 bgs., Order, Singapore.

GUM—437 bgs., Brown Bros. & Co., Port Sudan; 50 bgs., Anglo Egyptian Bk., Port Sudan; 1,225 bgs., Order, Port Sudan; 47 cs., Equitable Trust Co., Auckland; Arabic, 250 bgs., Order, London; Copal, 1,560 sks., L. C. Gillespie & Sons, Matadi; 3,198 sks., 455 pkgs., Niger Co., Matadi; 385 bgs., 100 cs., Baring Bros. & Co., Singapore; 175 bgs., Irving Bank, Singapore; 240 bgs., L. C. Gillespie & Sons, Singapore; 70 bgs., Chem. Nat. Bank, Singapore; 214 bbls., Kidder Peabody & Co., Singapore; 400 pkgs., Order, Singapore; 324 bgs., Equit. Trust Co., Antwerp; 200 bgs., Brown Bros. & Co., Antwerp; Damar, 350 bgs., Baring Bros. & Co., Singapore; 140 bgs., Standard Bank of So. Africa, Singapore; 350 bgs., L. C. Gillespie & Sons, Singapore; 140 bgs., Kidder Peabody & Co., Singapore; 350 cs., Order, Singapore; Kauri, 124 cs., Baring Bros. & Co., Auckland; 10 cs., 38 sks., Brown Bros. & Co., Auckland; 332 sks., Amer. Foreign Bkg. Corp., Auckland; 95 cs., Guaranty Trust Co., Auckland; 122 cs., 359 sks., Chem. Nat. Bank, Auckland; 1,204 pkgs., Order, Auckland; Perillo, 302 bbls., W. Wrigley, Puerto Colombia; Tragacanth, 5 cs., A. D. Isbetherian & Co., Constantinople; 15 cs., Order, Southampton; 60 cs., Brown Bros. & Co., London; 14 cs., G. Gulbenkian & Co., London; Yacca, 209 bgs., Baring Bros. & Co., Port Adelaide; 400 bgs., W. Schall & Co., Port Adelaide.

HERBS—12 bbls., Knauth Nachod & Kuhne, Hamburg; 10 bbls., Peek & Velsor, Hamburg; 23 bgs., Order, Hamburg.

INSECT POWDER—20 cs., First Nat. Bank Minn., Trieste.

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IODINE—107 bbls., Nash Watjen & Bangs, Iquique

IRON OXIDE—25 cks., R. J. Waddell & Co., Liverpool; 45 cks., J. A. McNulty, Liverpool; 53 cks., L. H. Butcher & Co., Liverpool

LEAVES—Laurel, 12 bbls., Order, Trieste; Sage, 14 bbls., Order, Trieste; Senna, 13 bbls., Brown Bros. & Co., London

LITHOPONE—200 cks., A. Klipstein & Co., Hamburg

MAGNESITE—313 bgs., Speiden Whitfield & Co., Rotterdam

MYROBALANS—2,600 pkts., Nat. City Bank, Calcutta; 10,140 bbls., Standard Bank of So. Africa, Calcutta; 12,000 pkts., Order, Calcutta

NAPHTHALENE—1,416 bgs., Lunham & Moore, Rotterdam; 1,000 bgs., Order, London

NUX VOMICA—99 bgs., Order, Colombo

OILS—Linseed, 603 tons, Amer. Linseed Co., Hull; 30 bbls., W. Benkert Co., Rotterdam; 289 bbls., W. Van Doorn Co., Rotterdam; 323 bbls., Order, Manchester; Palm, 24 pipes, 14 tcs., 205 bbls., 6 pkgs., Sousa Machado & Co., Loanda; 3,252 pkgs., Niger Co., Matadi; 62 cks., Irving Bank Columbia Trust Co., Cotonou; 53 cks., Order, Cotonou; 74 cks., African & Eastern Tdg. Co., Rotterdam; 32 cks., Order, Rotterdam; Wood, 30 bbls., Royal Bank of Canada, Liverpool; 108 bbls., Royal Bank of Canada, London; 150 bbls., Bank of Amer., London; 380 bbls., Order, London

OILS, ESSENTIAL—2 cs., Judson Freight Fwdg. Co., Liverpool; 75 cs., Orbis Products Trdg. Co., Messina; 18 pkgs., Bridgette & Co., Palermo; 1 drum, H. M. Sayegh, Alexandria; 1 cse., G. W. Sheldon & Co., Havre; 5 cs., Roure Bertrand Fils, Havre; 4 cs., Morana Co., Rotterdam; 3 cs., Ungerer & Co., London; 5 cs., Colombo Co., Palermo; 3 cks., Bank of N. Y., Havre; 10 cks., Order, Havre; Aniseed, 50 cs., Jardine Matheson Co., Hongkong; 16 drs., Irving Bank, Hongkong; Bergamot, 10 cs., G. Lueders & Co., Messina; 40 cs., G. Lueders & Co., Messina; Caraway, 4 cs., P. R. Dreyer, Rotterdam; 1 cse., Order, Hamburg; Cassia, 8 drs., Standard Bank of So. Africa, Hongkong; 20 cs., Dodge & Olcott, Hong-

kong; 10 cs., Order, London; 30 cs., Order, London; Cinnamon, 3 drs., Schulz & Ruckgaber, Colombo; Citronella, 5 drs., Schulz & Ruckgaber, Colombo; 6 drs., Bankers Trust Co., Batavia; 23 drs., Amer. Exch. Nat. Bank, Colombo; 9 drs., Brown Bros. & Co., Colombo; Copaiba, 44 cs., Magnus Mabee & Reynard, Inc., Para; Fusel, 20 drs., 9 bbls., Order, Hamburg; 14 bbls., Eastman Kodak Co., Dunkirk; 35 bbls., Cont'l Shpg. Co., Trieste; Lemon, 300 cs., East River Nat. Bank, Messina; 200 cs., G. Lueders & Co., Messina; 200 cs., G. Lueders & Co., Messina; 100 cs., Order, Messina; Lime, 12 cs., Order, London; Orange, 12 cs., Brown Bros. & Co., Messina; 40 cs., Colonial Bank, Kingston; 24 cs., Brown Bros. & Co., Messina; 20 cs., Park Benziger Co., Kingston; 40 cs., Huth Gillespie Co., Kingston; 40 cs., Order, Kingston; 20 cs., Colonial Bank, Kingston; Sandalwood, 4 cs., E. Fougere & Co., London; 76 cs., Order, London

OPIUM—12 cs., Order, Constantinople

PHENOL FORMALDEHYDE—1 cse., G. W. Sheldon, Southampton

POTASSIUM SALTS—Carbonate, 236 cks., Order, Hamburg; Muriate, 1,500 bgs., Potash Imp. Corp. of Amer., Bremen; Permanganate, 50 drs., E. I. du Pont de Nemours & Co., Hamburg; 2 drs., Order, Hamburg; Sulfate, 1,500 bgs., Potash Imp. Corp. of Amer., Bremen

PLUMBAGO—76 bbls., Order, Colombo; 15 bbls., H. W. Peabody & Co., Colombo

POTATO STARCH—150 bgs., Starler & Co., Rotterdam

PUMICE STONE—Lump, 10 bgs., C. B. Richard & Co., Messina; 10 cks., Irving Bank, Canneto Lipari; 815 bgs., 19 cks., Bankers Trust Co., Canneto Lipari; 3,736 bgs., 30 cks., T. Van Amringe & Son, Canneto Lipari; Powdered, 225 bgs., C. B. Chrystal & Co., Canneto Lipari; 300 bgs., Bankers Trust Co., Canneto Lipari; 66 bgs., T. Van Amringe & Son, Canneto Lipari

QUICKSILVER—26 flasks, J. Elizondo, Tampico; 250 flasks, Dupont De Nemours Co., Seville; 30 flasks, C. L. Huisking, Inc., Seville

QUININE—2 cs., R. W. Greeff & Co., Rotterdam; 110 cs., Amer. Exp. Co., Rotterdam

ROOTS—12 bbls., Order, Para; Altea, 20 bbls., Order, Leghorn; Arrow, 10 cs., J. P. Smith & Co., London; Orris, 93 bgs., Order, Leghorn; Sarsaparilla, 20 bbls., Trieste & Co., Tampico; Licorice, 40 bgs., Order, Catania; Broom, 200 bbls., Order, Vera Cruz; Canagria, 14 sks., Order, Vera Cruz

SAL AMMONIAC—88 cks., Philipp Bauer & Co., Hamburg; 44 cks., Innis Speiden Co., Hamburg

SEEDS—Canary, 1,113 bgs., Sherman, Constantinople; 150 bgs., Whitney Eckstein Co., Rotterdam; 250 bbls., Order, Rotterdam; Castor, 2,000 bgs., Central Union Trust Co., Pernambuco; 2,000 cks., Baker Castor Oil Co., Pernambuco; 104 bgs., Huttlinger & Struller, Port de Paix; Poonugreek, 100 bgs., Order, Alexandria; Mustard, 40 bgs., J. B. Nordlinger, Hamburg; 100 bgs., Catz Amer. Co., Rotterdam; Poppy, 100 bgs., Graham Co., Rotterdam; Sunflower, 460 bgs., Order, Buenos Aires

SILVER SULFIDE—1 cse., G. Amsinck, Valparaiso

SHELLAC—300 bgs., Chase Nat. Bank, Calcutta; 332 bgs., Nat. City Bank, Calcutta; 100 bgs., London & Liverpool Bank of Commerce, Calcutta; 28 bgs., Bank of Amer., Calcutta; 50 bgs., Mech. & Metals Nat. Bank, Calcutta; 50 bgs., Standard Bank of So. Africa, Calcutta; 1,358 bgs., 112 cs., Order, Calcutta; 100 bgs., First Nat. Bank Boston, Calcutta; 250 bgs., Mech. & Metals Nat. Bank, Calcutta; 200 bgs., Brit. Bank So. America, Calcutta; 48 bgs., Bank of Montreal, Calcutta; 821 bgs., Order, Calcutta; Refuse Lac, 1,225 bgs., Bank of the Manhattan Co., Calcutta

SODIUM SALTS—Caustic, 190 drs., A. Klipstein & Co., Hamburg; Chlorate, 49 cs., Order, Venice; 100 cs., A. H. Pickering, Genoa; 144 cs., Order, Genoa; Fluoride, 49 cks., Order, Hamburg; Nitrate, 10,997 bgs., Wessel Duval & Co., Iquique; Sulfide, 223 drs., Order, Hamburg

SPICES—Annatto, 80 bgs., A. Patterson, Kingston; Cassia, 25 cs., Jardine, Matheson Co., Hongkong; 50 cs., Bank of Amer., Hong-

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kong; 200 cs., Pac. Orient Co., Hongkong; 100 bgs., Order, London; **Cinnamon**, 100 bls., Order, Colombo; **Chips**, 50 bls., Order, Colombo; **Quills**, 75 bls., Amer. Exch. Nat. Bank, Colombo; 100 bls., Order, Colombo; **Ginger**, 217 bgs., W. Porter & Co., Free-town; 110 bgs., Cie Franc de l'Afrique Occi-dentale, Freetown; 300 cs., Imperial Bank of Canada, Hongkong; 12 bgs., J. Di Cristina, Mayaguez; 12 bgs., Colonial Bank, Kingston; 6 bgs., Order, Kingston; **Green**, 61 bgs., D. B. Cruikshank, San Juan; **Mace**, 36 cs.,

Daarnhower & Co., Rotterdam; **Nutmeg**, 75 bgs., Order, Singapore; 95 cs., 14 bgs., Archibald & Lewis, Rotterdam; 94 cs., 13 bgs., B. H. Old & Co., Rotterdam; 54 cs., L. C. Van Naiswald Co., Rotterdam; **Paprika**, 100 bgs., M. P. Kurzog Co., Ham-burg; **Pepper**, 840 bgs., Order, Singapore; **Black**, 479 bgs., Order, Penang; **White**, 220 bgs., Order, Singapore; **Pimento**, 190 bgs., Macey & Dunham, Kingston
SUMAC—350 bgs., Amer. Exp. Co., Palermo; 350 bgs., Order, Palermo

VERMILION—75 cks., Stanley Doggett & Co., Hamburg
TAPIOCA—Flour, 500 bgs., Stein Hall & Co., Batavia; 1,000 bgs., Order, Batavia
WAX—11 cs., Keferstein Starr & Co., Ham-burg; **Bees**, 5 sks., Order, Santiago; 27 sks., Duncan Fox & Co., Valparaiso; 79 bgs., London & Braz. Bank, Rio de Janeiro; 150 bgs., Amer. Tdg. Co., Rio de Janeiro; **Montan**, 375 bgs., W. Schall & Co., Bremen
XYLENE—5 drs., Van Oppen & Co., London

SULFUR IMPORTED AT SAN FRANCISCO

Imports at San Francisco for week ending June 9 in-cluded the following: On steamer Drechldyk, from Antwerp, to Balfour, Guthrie & Co., 100 bags chalk; from Rotterdam, to Pascal Dubedat & Co., 2,000 bags sulfur; to order, 25 bags whiting and 368 bags cocoa; from London, to order, 75 casks oxide, 423 drums linseed oil and 10 bags glue. On steamer Kiyo Maru, from Dai-ren, to Mitsui & Co., 700 tons soya bean oil. On steamer Astyanax, from Birkenhead, to order, 30 drums creosote and 3,600 bags soda ash; to Joseph Garman & Co., 50 cases olive oil; to R. N. Nason & Co., 4 cases oil varnish. On steamer Horaisan Maru, from Kobe, to order, 10 bales agar agar; from Dairen, to order, 7,380

bags bean oil cake, 420 bags hemp seed, 150 barrels bean oil, and 1,082 bags soya meal; from Shanghai, to order, 600 barrels peanut oil.

On steamer President Harrison, from Buenos Aires, to Bank of California, 377 bags sunflower seed; to Anglo and London Paris National Bank, 628 bags sunflower seed; H. J. Baker & Bro., 670 bags dried blood; Amer-ican Trading Co., 116 bags sunflower seed; to order, 1,900 bags dried blood, 2,996 bags fertilizer, 3,016 bags tankage, and 2,486 bags linseed; to Tannin Corp., 3,171 bbls, wood extract; to Crocker National Bank, 678 bags wine lees; from Montevideo, to H. J. Baker & Bro., 1,703 bags dried blood, and to order, 1,363 bags dried blood. On steamer Corinto, from Manzanillo, to Otis McAllister & Co., 549 cases turpentine.

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Or your phone number—
Or your company name—
Or have started a new company—
Or closed up an old firm—*

Give us the full details at once

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1924 DRUG & CHEMICAL MARKETS GUIDE-BOOK

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HELP WANTED

SALESMAN—Experienced Pharmaceutical and Specialty man for old established and progressive house to cover part of Massachusetts, calling upon retail trade, doctors and hospitals. Salary and Commission. Give references and say how soon available. Box 373, **DRUG & CHEMICAL MARKETS.**

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